

The Republic of The Union of Myanmar  
Ministry of Health and Sports  
Department of Medical Services

# National List of Essential Medicines (NLEM)

2016

Myanmar Essential Medicines Project



**The Republic of The Union of Myanmar**  
**Ministry of Health and Sports**  
**Department of Medical Services**

# **National List of Essential Medicines**

## **(NLEM)**

**2016**



ပြင်ဆင်ဖြည့်စွက်ချက်

Section 25 ကို Sub Section များ ပြန်လည်ထည့်သွင်း ပြင်ဆင်ထားပါသည်။

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## FOREWORD

Essential Medicines are those that satisfy the priority health care needs of the population and these medicines are intended to be available within the context of functioning health systems at all times in adequate amounts, in the appropriate



dosage forms, with assured quality, adequate information, at a price the individual and the community can afford.

To follow the concepts of essential medicines and rational use of medicines, Myanmar Essential Medicines Project developed Standard Treatment Guideline for Basic Health Staff and National List of Essential Medicines (NLEM).

Myanmar Essential Medicines Project has been implementing in collaboration with WHO since 1988.

There are five categories of medicines in NLEM (2016) which are based on the professional level of health care providers. NLEM (2016) is the result of detailed revision by many experts such as professors from related fields, state and regional health directors, and programme managers.

## Myanmar Essential Medicines Project

The new edition of National List of Essential Medicines (2016) contains (486) items and it can be used as supportive tool not only for procurement but also for good prescribing practices.

A handwritten signature in black ink, appearing to read 'Han', with a long, sweeping horizontal stroke extending to the right.

Professor Myint Han  
Director General  
Department of Medical Services



## ACKNOWLEDGEMENT

1. NLEM Task Force Committee
2. External Consultant
3. Professor and heads, Professors
4. State and Regional Health Directors
5. Programme Managers
6. Medical Superintendents

The Task Force Committee for review and revision of NLEM (2010) wishes to record its heartfelt appreciation to external consultant, Dr. Pisonthi Chongtrakul, all the professor and heads, clinicians, state and regional health directors, programme managers and directors of hospitals, medical superintendents for the very effective suggestions and comments, WHO for financial support in revision process, senior officials from Ministry of Health & Sports for leadership role, financial for publication support and whoever involved in the development of this NLEM (2016).

## EXECUTIVE SUMMARY

The National List of Essential Medicines (NLEM) is now becoming very important not only for procurement but also for health care providers to do as a reference which level should use what kind of medicines in the health system.

A limited range of carefully selected essential medicines leads to better health care, better drug management, and lower costs.

Essential medicines are those that satisfy the priority health care needs of the population and intended to be available within the context of functioning health systems at all times, in adequate amounts, in the appropriate dosage forms, with assured quality, and at a price the individual and the community can afford.

Revision of NLEM was based the four important documents such as National List of Essential and Complementary Medicines and Vaccines for Myanmar (2010), Thai Essential Medicines List (2012), WHO Model List of Essential Medicines 18<sup>th</sup> edition, WHO Model list of Essential Medicines for Children 3<sup>rd</sup> edition.

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In order to revise, firstly, task force committee (core committee) was developed in June 2013 by Ministry of Health & Sports with following members:

- (1) Dr. Than Win, Deputy Director General, Department of Public Health, Ministry of Health & Sports as a chairman
- (2) Dr. Zaw Win, Former Director (Foods and drugs), Department of Foods and Drugs Administration as a member
- (3) Dr. Hla Myint, Former Director (Medical Care), Department of Medical Services, Ministry of Health & Sports as a member
- (4) Dr. Nang Hla Hla Win , Professor and Head, Department of Pharmacology , University of Medicine 1, Yangon as a member
- (5) Dr. Thida Hla, Medical Superintendent, Nay Pyi Taw (1000) bedded, General Hospital, Former Project Manager, Myanmar Essential Medicines project as a secretariat
- (6) Dr. Thein May Saw, Professor and Head , Department of Pharmacology, University of Medicine, Mandalay, as a member
- (7) Dr. Khin Mar Myint , Professor and Head (Training) , University of Medicine 1, Yangon as a member

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- (8) Dr. Nu Nu Aye, Professor and Head, Department of Pharmacology, University of Medicine 2, Yangon as a member
- (9) Dr. Theingi Zin, Director (Drugs), Department of Foods and Drugs Administration as a member
- (10) Dr. Win Win May , (Retd.) Associate Prof, University of Pharmacy, Yangon as a member
- (11) Dr. Myat Min, Associate Professor, Department of Pharmacology, University of Medicine, Mandalay as a member
- (12) Dr. Aung Tun, Former Director (Public Health), Former Department of Health as a member
- (13) Daw Tin Myo Khine, Assistant Director, Department of Foods and Drugs Administration as a member

In August 2013, the 1<sup>st</sup> task force committee meeting was held in the Department of Medical Services, Ministry of Health & Sports. From this meeting result, the modified format of NLEM was developed based on the three major documents such as National List of Essential and Complementary Medicines and Vaccines for Myanmar (2010), WHO Model List of Essential Medicines 18<sup>th</sup> edition, WHO Model list of Essential Medicines for Children 3<sup>rd</sup> edition.

In July 2013, the modified format of NLEM was distributed to all directors of central hospitals, directors of States and Regions, all project managers to make deletion or changing of items, inclusion or adding of items and justification for every changes via email.

In September 2013, workshop for deliberation on evidence based criteria for addition and deletion of items with external consultant from Thailand, Task Force Committee Members, all Professor and Heads (Clinicians) from every discipline was conducted in Ministry of Health & Sports.

During the workshop, intensively discussed the current situation of medicines issues which were found in every health facilities and drug resistant condition. Due to difficulty in timely getting of the data concerning the evidence base, cost effectiveness, epidemiological information on disease burden, current usage assessment, and the advice of Thai Consultant, Thai National List of Essential Medicines was decided to be adopted.

In March 2014, the 2<sup>nd</sup> time Task Force Committee meeting was held in the University of Medicine 1, Yangon and reviewed again. Discussion the final draft of NLEM (revised) in Drug Advisory Committee (DAC) meeting was done in November 2014.

## SIGNIFICANT FEATURES OF NLEM (2016)

In the National List of Essential Medicines, Complementary Medicines and Vaccines for Myanmar (2010), there were (4) categories such as:

E = Essential Medicines for basic health care system

E\* = Essential Medicines recommended for tertiary referral level

C = Complementary Medicines

C\* = Complementary Medicines recommended for tertiary referral level. Total items were (341).

Normally, the NLEM should be updated two yearly according to the WHO guideline. The issue of updating was also discussed and considered based upon the informations came out from various health sectors and programmes, such as updated treatment regime, drug resistant conditions, control drug policy, drugs from programme which were supported by WHO,NGOs, INGOs.

The medicines in NLEM (2016) have been categorized as follows:

A = everyone (for any doctor) with first choice for the patient

B = Alternative to A

C = for experts (experienced doctors)

D = Trained personnel with expert qualifications (drugs to be used in specialized centre)

E1 = National Programme Drugs (eg. HIV, TB for Myanmar)

E2 = Specialist in specialized centre, kept by authorized body of the hospital, allowed by request (drug is expensive for some rare diseases or conditions, eg., liposomal amphotericin B, digoxin specific antibody) for central procurement

The numbers of items in each category are as follow:

A = 217

B = 38

C = 139

D = 89

E1 = 41

E2 = 13

Total of (486) medicines are included in NLEM (2016). Some of the items are included in one or two categories (eg. Ampicillin is in category A and C based on dosage form). Therefore, counting the items are (537) by category.

**[c]** – symbol is placed next to an individual medicine or strength of medicine it signifies that there is a specific indication for restricting its use to children.

**[c]** – symbol is placed next to the complementary list it signifies that the medicine(s) require (s) specialist diagnostic or monitoring facilities, and/ or specialist medical care, and/ or specialist training for their use in children.



## APPLICATIONS FOR REVIEW AND REVISION OF NLEM (2010)

National List of Essential and complementary medicines and vaccines for Myanmar(2010), Thai Essential Medicines Lists (2012), WHO Model List of Essential Medicines 18<sup>th</sup> edition, WHO Model list of Essential Medicines for Children 3<sup>rd</sup> edition  
(Base documents)



Developing the Task Force Committee for review and revision of NLEM 2010



1<sup>st</sup> time Task Force Committee meeting led by Deputy Director General



Distribution of Modified Format based on NLEM (2010), WHO Model List of Essential Medicines 18<sup>th</sup> edition, WHO Model list of Essential Medicines for Children 3<sup>rd</sup> list to all medical directors of central hospitals, directors of States and Regions, all project managers to make deletion or changing of items, inclusion or adding of items and justification



Workshop for deliberation on evidence based criteria for addition and deletion of items with external consultant from Thailand, Task Force Committee, all Professor and Heads from every discipline



2<sup>nd</sup> time Task Force Committee meeting



Discussion the final draft of NLEM (revised) in Drug Advisory Committee (DAC) meeting



Final consideration, discussion and summarizing the NLEM draft by Task Force Committee



Submit to the Ministry of Health & Sports for approval



Publishing (2016)

**LIST OF MEDICINES IN NLEM (2016) BY THERAPEUTIC AREAS**

| SECTIONS           | THERAPEUTIC AREAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SECTION - 1</b> | <b>ANAESTHETICS</b> <ul style="list-style-type: none"> <li>• Halothane</li> <li>• Isoflurane</li> <li>• Sevoflurane</li> <li>• Nitrous oxide</li> <li>• Oxygen</li> <li>• Ketamine (hydrochloride)</li> <li>• Metaminol</li> <li>• Propofol</li> <li>• Suxamethonium (chloride) (bromide)</li> <li>• Thiopental</li> <li>• Vecuronium</li> <li>• Bupivacaine (hydrochloride)</li> <li>• Lignocaine (hydrochloride)</li> <li>• Ephedrine</li> <li>• Lignocaine + Epinephrine (dental cartridge)</li> <li>• Atropine (sulphate)</li> <li>• Diazepam</li> <li>• Morphine</li> <li>• Midazolam</li> <li>• Glycopyrrolate</li> </ul> |
| <b>SECTION – 2</b> | <b>ANALGESICS, ANTIPYRETICS, NON -STEROIDAL ANTI - INFLAMMATORY MEDICINES ( NSAIDs ), MEDICINES USED TO TREAT GOUT AND DISEASE MODIFYING AGENTS IN RHEUMATOID DISORDERS (DMARDs)</b> <ul style="list-style-type: none"> <li>• Acetylsalicylic acid</li> <li>• Diclofenac (sodium/potassium)</li> <li>• Ibuprofen</li> <li>• Naproxen</li> <li>• Nitrous oxide+O2</li> <li>• Paracetamol</li> <li>• Codeine phosphate</li> <li>• Fentanyl(citrate)</li> <li>• Morphine (sulfate/hydrochloride)</li> </ul>                                                                                                                        |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | <ul style="list-style-type: none"> <li>• Pethidine (hydrochloride)</li> <li>• Tramadol (hydrochloride)</li> <li>• Allopurinol</li> <li>• Colchicine</li> <li>• Chloroquine (phosphate/sulfate)</li> <li>• Hydroxychloroquine [c]</li> <li>• Methotrexate</li> <li>• Sulfasalazine</li> <li>• Gabapentin</li> <li>• Paracetamol</li> <li>• Ibuprofen</li> <li>• Amitriptyline</li> <li>• Propranolol (hydrochloride)</li> </ul>                                                                                                                                                    |
| <b>SECTION – 3</b> | <b>ANTI- ALLERGICS AND MEDICINES USED IN ANAPHYLAXIS</b> <ul style="list-style-type: none"> <li>• Cetirizine (hydrochloride)</li> <li>• Chlorpheniramine (maleate)</li> <li>• Dexamethasone (sodium phosphate)</li> <li>• Epinephrine (hydrogen tartrate)</li> <li>• Hydrocortisone (acetate)(sodium succinate/ sodium phosphate)</li> <li>• Loratadine</li> <li>• Prednisolone</li> </ul>                                                                                                                                                                                        |
| <b>SECTION – 4</b> | <b>ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING</b> <ul style="list-style-type: none"> <li>• Charcoal (activated)</li> <li>• Acetylcysteine</li> <li>• Atropine (sulfate)</li> <li>• Calcium gluconate</li> <li>• Deferoxamine (mesylate)</li> <li>• Digibind</li> <li>• Dimercaprol</li> <li>• Flumazenil</li> <li>• Methylthioninium chloride (Methylene blue)</li> <li>• Naloxone (hydrochloride)</li> <li>• Penicillamine</li> <li>• Pralidoxime</li> <li>• Sodium calcium edetate</li> <li>• Sodium Nitrite</li> <li>• Sodium Thiosulfate</li> <li>• Succimer</li> </ul> |

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| <b>SECTION – 5</b> | <b>MEDICINES FOR CENTRAL NERVOUS SYSTEM</b> <ul style="list-style-type: none"> <li>• Carbamazepine</li> <li>• Diazepam</li> <li>• Lamotrigine</li> <li>• Levetiracetam</li> <li>• Lorazepam</li> <li>• Midazolam</li> <li>• Magnesium sulfate</li> <li>• Phenobarbital (sodium salt)</li> <li>• Topiramate</li> <li>• Valproic Acid (Sodium Valproate)</li> <li>• Trihexyphenidyl (Benzhexol)</li> <li>• Levodopa + Carbidopa</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SECTION – 6</b> | <b>ANTI-INFECTIVE MEDICINES</b> <ul style="list-style-type: none"> <li>• Albendazole</li> <li>• Ivermectin</li> <li>• Levamisole</li> <li>• Mebendazole</li> <li>• Niclosamide</li> <li>• Praziquantel</li> <li>• Diethylcarbamazine</li> <li>• Amoxicillin (trihydrate) (sodium salt)</li> <li>• Amoxicillin with clavulanic acid (Co-amoxiclav)</li> <li>• Ampicillin</li> <li>• Benzathine penicillin</li> <li>• Benzyl penicillin G (sodium / potassium salt)</li> <li>• Cefazolin</li> <li>• Cefoperazone + Sulbactam</li> <li>• Cephalexin</li> <li>• Cefuroxime (sodium salt)</li> <li>• Cefaclor</li> <li>• Cefotaxime</li> <li>• Ceftriaxone (sodium salt)</li> <li>• Cefixime</li> <li>• Ceftazidime (pentahydrate)</li> <li>• Cloxacillin</li> <li>• Flucloxacillin (sodium)</li> <li>• Fortified Procaine Penicillin G</li> <li>• Imipenem + Cilastatin (monohydrate)</li> </ul> |

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|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• Meropenem</li> <li>• Phenoxymethyl penicillin</li> <li>• Piperacillin with tazobactam</li> <li>• Amikacin (sulfate)</li> <li>• Azithromycin (dihydrate)</li> <li>• Chloramphenicol (palmitate/sodium succinate)</li> <li>• Ciprofloxacin</li> <li>• Clarithromycin</li> <li>• Clindamycin</li> <li>• Co-trimoxazole (Sulfamethoxazole +Trimethoprim - 5:1)</li> <li>• Doxycycline(hydrochloride)</li> <li>• Erythromycin (stearate)(ethylsuccinate) (lactobionate)</li> <li>• Gentamicin (sulfate)</li> <li>• Levofloxacin</li> <li>• Lincomycin</li> <li>• Linezolid</li> <li>• Metronidazole (Benzoate)</li> <li>• Neomycin (sulfate)</li> <li>• Nitrofurantoin</li> <li>• Norfloxacin</li> <li>• Tetracycline</li> <li>• Vancomycin</li> <li>• Clofazimine</li> <li>• Dapsone</li> <li>• Ofloxacin</li> <li>• Rifampicin</li> <li>• Ethambutol (hydrochloride)</li> <li>• Isoniazid</li> <li>• Isoniazid + Ethambutol</li> <li>• Isoniazid + Rifampicin</li> <li>• Isoniazid + Rifampicin + Ethambutol</li> <li>• Isoniazid + Rifampicin + Pyrazinamide</li> <li>• 4 FDC (Fixed-Dose Combination)</li> <li>• Pyrazinamide</li> <li>• Rifabutin</li> <li>• Rifampicin</li> <li>• Streptomycin (sulfate)</li> <li>• Amikacin</li> </ul> |
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|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• Capreomycin</li> <li>• Cycloserine</li> <li>• Ethionamide</li> <li>• Kanamycin</li> <li>• Levofloxacin</li> <li>• Moxifloxacin</li> <li>• P-aminosalicylic acid</li> <li>• Amphotericin B (salt complex or lipid complex forms)</li> <li>• Caspofungin</li> <li>• Clotrimazole</li> <li>• Fluconazole</li> <li>• Griseofulvin</li> <li>• Itraconazole</li> <li>• Ketoconazole</li> <li>• Liposomal Amphotericin</li> <li>• Nystatin</li> <li>• Potassium iodide (KI)</li> <li>• Voriconazole</li> <li>• Metronidazole (benzoate)</li> <li>• Artemether</li> <li>• Artemether + Lumefantrine</li> <li>• Artesunate</li> <li>• Atovaquone + Proguanil</li> <li>• Chloroquine (phosphate/sulfate)</li> <li>• Dihydroartemisinin + Piperaquine</li> <li>• Doxycycline (hydrochloride)</li> <li>• Primaquine (diphosphate)</li> <li>• Quinine (sulfate) (dihydrochloride)</li> <li>• Abacavir</li> <li>• Abacavir + Lamivudine</li> <li>• Acyclovir</li> <li>• Atazanavir boosted Lopinavir</li> <li>• Efavirenz</li> <li>• Lopinavir</li> <li>• Nevirapine</li> <li>• Ribavirin</li> <li>• Ritonavir boosted Lopinavir</li> <li>• Tenofovir</li> <li>• Tenofovir + Emtricitabine + Efavirenz</li> </ul> |
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|                     | <ul style="list-style-type: none"> <li>• Tenofovir + Lamivudine</li> <li>• Tenofovir + Lamivudine + Efavirenz</li> <li>• Valganciclovir</li> <li>• Zidovudine + Lamivudine</li> <li>• Zidovudine + Lamivudine + Nevirapine</li> </ul>                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SECTION – 7</b>  | <b>ANTIMIGRAINE MEDICINES</b> <ul style="list-style-type: none"> <li>• Acetylsalicylic acid</li> <li>• Diclofenac (sodium /potassium)</li> <li>• Paracetamol</li> <li>• Propranolol (hydrochloride)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>SECTION – 8</b>  | <b>MEDICINES AFFECTING THE BLOOD</b> <ul style="list-style-type: none"> <li>• Erythropoietin (Epoetin)</li> <li>• Ferrous salt (sulfate, fumarate)</li> <li>• Filgrastim</li> <li>• Folic acid (sodium salt)</li> <li>• Granulocyte colony stimulating factor</li> <li>• Hydroxocobalamin</li> <li>• Oxymetholone</li> <li>• Vitamin B1</li> <li>• Vitamin B6</li> <li>• Enoxaparin</li> <li>• Heparin (sodium)</li> <li>• Phytomenadione</li> <li>• Protamine sulphate</li> <li>• Recombinant factor VIII</li> <li>• Recombinant factor IX</li> <li>• Tranexamic acid</li> <li>• Warfarin (sodium salt)</li> </ul> |
| <b>SECTION – 9</b>  | <b>BLOOD PRODUCTS AND PLASMA SUBSTITUTES</b> <ul style="list-style-type: none"> <li>• Albumin (Human)</li> <li>• Gelatin Infusion</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SECTION – 10</b> | <b>CARDIOVASCULAR MEDICINES</b> <ul style="list-style-type: none"> <li>• Carvedilol</li> <li>• Glyceryl Trinitrate (sublingual)</li> <li>• Metoprolol</li> <li>• Isosorbide Dinitrate (sublingual)</li> <li>• Isosorbide Mononitrate</li> <li>• Adenosine</li> <li>• Amiodarone (hydrochloride)</li> </ul>                                                                                                                                                                                                                                                                                                          |



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|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• Atropine</li> <li>• Digoxin</li> <li>• Flecainide</li> <li>• Magnesium sulphate</li> <li>• Propafenone</li> <li>• Propranolol</li> <li>• Sotalol</li> <li>• Verapamil (hydrochloride)</li> <li>• Amlodipine (mesylate)</li> <li>• Chlorthalidone</li> <li>• Diltiazem (modified released)</li> <li>• Enalapril (maleate)</li> <li>• Felodipine</li> <li>• Hydralazine (hydrochloride)</li> <li>• Indapamide</li> <li>• Labetalol (hydrochloride)</li> <li>• Losartan (potassium)</li> <li>• Methyldopa</li> <li>• Metoprolol (tartrate)</li> <li>• Nifedipine</li> <li>• Perindopril</li> <li>• Prazosin (hydrochloride)</li> <li>• Carvedilol</li> <li>• Digoxin</li> <li>• Dobutamine (hydrochloride)</li> <li>• Dopamine (hydrochloride)</li> <li>• Enalapril (maleate)</li> <li>• Furosemide</li> <li>• Hydrochlorothiazide</li> <li>• Metolazone</li> <li>• Perindopril</li> <li>• Spironolactone</li> <li>• Dopamine (hydrochloride)</li> <li>• Dobutamine (hydrochloride)</li> <li>• Epinephrine (hydrogen tartrate)</li> <li>• Hydrocortisone</li> <li>• Norepinephrine</li> <li>• Acetylsalicylic acid (soluble/dispersible forms)</li> <li>• Clopidogrel (hydrogen sulfate)</li> </ul> |
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|                     | <ul style="list-style-type: none"> <li>• Dipyridamole (extended release)</li> <li>• Enoxaparin</li> <li>• Heparin</li> <li>• Octreotide (as acetate) Terlipressin acetate</li> <li>• Streptokinase</li> <li>• Atorvastatin</li> <li>• Fenofibrate</li> <li>• Simvastatin</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SECTION – 11</b> | <b>DERMATOLOGICAL MEDICINES (TOPICAL)</b> <ul style="list-style-type: none"> <li>• Benzoic acid + Salicylic acid</li> <li>• Clotrimazole</li> <li>• Ketoconazole</li> <li>• Miconazole</li> <li>• Nystatin</li> <li>• Tolnaftate</li> <li>• Clindamycin</li> <li>• Fusidic acid</li> <li>• Neomycin (sulfate)</li> <li>• Povidone Iodine</li> <li>• Potassium permanganate</li> <li>• Silver sulfadiazine</li> <li>• Acyclovir</li> <li>• Betamethasone (valerate)</li> <li>• Calamine lotion</li> <li>• Clobetasol</li> <li>• Fluocinolone acetonide</li> <li>• Hydrocortisone (acetate)</li> <li>• Coal tar</li> <li>• Fluorouracil</li> <li>• Imiquimod</li> <li>• Salicylic acid</li> <li>• Benzyl benzoate</li> <li>• Permethrin</li> <li>• Calcipotriol (Vitamin D analog)</li> <li>• Methoxypsoralen</li> <li>• Tacrolimus / pimecrolimus</li> </ul> |

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| <b>SECTION – 12</b> | <b>DIAGNOSTIC AGENTS</b> <ul style="list-style-type: none"> <li>• Barium sulfate</li> <li>• Gadolinium</li> <li>• Iopamidol</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SECTION – 13</b> | <b>DISINFECTANTS AND ANTISEPTICS</b> <ul style="list-style-type: none"> <li>• Chlorhexidine (digluconate)</li> <li>• Comprox AC + Solution dichlorometaxyleneol</li> <li>• Eusol</li> <li>• Formaldehyde</li> <li>• Hydrogen peroxide</li> <li>• Hexanios</li> <li>• Methylated spirit</li> <li>• Povidone Iodine</li> <li>• Chlorine based Compound</li> <li>• Chloroxylenol</li> <li>• Glutaraldehyde</li> </ul>                                                                                                            |
| <b>SECTION – 14</b> | <b>DIURETICS</b> <ul style="list-style-type: none"> <li>• Amiloride</li> <li>• Furosemide</li> <li>• Hydrochlorothiazide</li> <li>• Spironolactone</li> <li>• Mannitol</li> <li>• Metolazone</li> </ul>                                                                                                                                                                                                                                                                                                                       |
| <b>SECTION – 15</b> | <b>GASTROINTESTINAL MEDICINES</b> <ul style="list-style-type: none"> <li>• Aluminium Hydroxide</li> <li>• Aluminium hydroxide + Magnesium hydroxide</li> <li>• Magnesium hydroxide</li> <li>• Dimethicone</li> <li>• Omeprazole</li> <li>• Pantoprazole</li> <li>• Ranitidine (hydrochloride)</li> <li>• Cinnarizine (hydrochloride)</li> <li>• Dexamethasone</li> <li>• Domperidone (maleate)</li> <li>• Ondansetron (hydrochloride)</li> <li>• Prochlorperazine</li> <li>• Drotaverine</li> <li>• Hydrocortisone</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>• Hyoscine (butylbromide)</li> <li>• Sulfasalazine</li> <li>• Bisacodyl</li> <li>• Glycerin suppositories</li> <li>• Lactulose</li> <li>• Magnesium Hydroxide</li> <li>• Magnesium sulphate</li> <li>• Poly ethylene glycol powder for solution</li> <li>• Rifaximin</li> <li>• Loperamide</li> <li>• Oral Rehydration Salts (Powder) (WHO formulation)</li> <li>• Zinc sulfate</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>SECTION – 16</b> | <p><b>HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES</b></p> <ul style="list-style-type: none"> <li>• ACTH</li> <li>• Dexamethasone (sodium phosphate)</li> <li>• Fludrocortisone (acetate)</li> <li>• Methylprednisolone</li> <li>• Prednisolone</li> <li>• Danazol</li> <li>• Testosterone ester</li> <li>• Ethinylestradiol + Levonorgestrel</li> <li>• Ethinylestradiol + Norethisterone</li> <li>• Levonorgestrel</li> <li>• Medroxyprogesterone (acetate depot)</li> <li>• Norethisterone enanthate</li> <li>• Copper Intra-Uterine Device (Cu-IUD)</li> <li>• Male Condoms</li> <li>• Levonorgestrel releasing implant</li> <li>• Oestrogen cream</li> <li>• Clomiphene citrate</li> <li>• Medroxyprogesterone</li> <li>• Bromocriptine</li> <li>• Acarbose</li> <li>• Glucagon</li> <li>• Insulin</li> <li>• Insulin glargine</li> <li>• Metformin</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>• Pioglitazone</li> <li>• Repaglinide</li> <li>• Carbimazole</li> <li>• Levothyroxine (Sodium salt)</li> <li>• Propylthiouracil</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SECTION – 17</b> | <b>IMMUNOLOGICALS</b> <ul style="list-style-type: none"> <li>• Antisnake venom serum (cobra antivenom)</li> <li>• Antisnake venom serum (viper antivenom)</li> <li>• Diphtheria Antitoxin</li> <li>• Immunoglobulin</li> <li>• Tetanus immunoglobulin (Human origin)</li> <li>• Rabies immunoglobulin (Human origin)</li> <li>• Anti D immunoglobulin</li> <li>• Hepatitis B immunoglobulin</li> <li>• BCG Vaccine</li> <li>• Diphtheria, Pertussis and Tetanus vaccine</li> <li>• Hepatitis B Vaccine</li> <li>• HPV vaccination</li> <li>• Measles Vaccine</li> <li>• DPT + Hep B + Hib Vaccine</li> <li>• Poliomyelitis Vaccine</li> <li>• Tetanus Vaccine</li> <li>• Cholera vaccine</li> <li>• Haemophilus Influenzae B Vaccine (HIB)</li> <li>• Hepatitis A vaccine</li> <li>• Human Papilloma Virus Bivalent Vaccine</li> <li>• Japanese Encephalitis Vaccine</li> <li>• Measles/Mumps /Rubella Vaccine (MMR)</li> <li>• Meningococcal Vaccine</li> <li>• Pneumococcal Vaccine</li> <li>• Rabies Vaccine</li> <li>• Rotavirus Vaccine</li> <li>• Typhoid, Paratyphoid A &amp; B Vaccine with Vi antigen</li> <li>• Varicella Vaccine</li> <li>• Yellow Fever Vaccine</li> <li>• Ciclosporin</li> <li>• Cyclophosphamide</li> <li>• Methylprednisolone</li> <li>• Mycophenolate mofetil</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>• Prednisolone</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SECTION – 18</b> | <b>MUSCLE RELAXANTS (PERIPHERALLY ACTING ) AND ANTICHOLINESTERASE INHIBITORS</b> <ul style="list-style-type: none"> <li>• Atracurium</li> <li>• Baclofen</li> <li>• Cisatracurium</li> <li>• Neostigmine (metilsulfate)</li> <li>• Suxamethonium chloride</li> <li>• Vecuronium bromide</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>SECTION – 19</b> | <b>OPHTHALMOLOGICAL PREPARATION</b> <ul style="list-style-type: none"> <li>• Acyclovir</li> <li>• Chloramphenicol</li> <li>• Clotrimazole</li> <li>• Framycetin (Sulfate)</li> <li>• Ganciclovir</li> <li>• Gentamicin (Sulfate)</li> <li>• Moxifloxacin</li> <li>• Netilmicin</li> <li>• Tetracycline (hydrochloride)</li> <li>• Voriconazole</li> <li>• Acetazolamide</li> <li>• Brimonidine</li> <li>• Pilocarpine (hydrochloride or nitrate)</li> <li>• Timolol (maleate)</li> <li>• Travoprost</li> <li>• Atropine</li> <li>• Tropicamide</li> <li>• Sodium chromoglycate</li> <li>• Dexamethasone</li> <li>• Flumethasone</li> <li>• Fluorometholone</li> <li>• Loteprednol etabonate</li> <li>• Prednisolone (sodium phosphate)</li> <li>• Tetracaine (hydrochloride)</li> </ul> |
| <b>SECTION – 20</b> | <b>OXYTOCICS AND MYOMETRIAL RELAXANTS</b> <ul style="list-style-type: none"> <li>• Ergometrine (hydrogen maleate)</li> <li>• Misoprostol</li> <li>• Oxytocin</li> <li>• Nifedipine</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| <p><b>SECTION – 21</b></p> | <p><b>PSYCHOTHERAPEUTIC MEDICINES</b></p> <ul style="list-style-type: none"> <li>• Chlorpromazine (hydrochloride)</li> <li>• Haloperidol</li> <li>• Methylphenidate</li> <li>• Olanzapine</li> <li>• Risperidone (hydrochloride)</li> <li>• Amitriptyline</li> <li>• Escitalopram</li> <li>• Fluoxetine (hydrochloride)</li> <li>• Lithium carbonate</li> <li>• Valproic acid (sodium valproate)</li> <li>• Alprazolam</li> <li>• Clonazepam</li> <li>• Diazepam</li> <li>• Lorazepam</li> <li>• Clomipramine (hydrochloride)</li> <li>• Methadone</li> <li>• Tincture Opium</li> </ul>                                                                                                                                                                    |
| <p><b>SECTION – 22</b></p> | <p><b>MEDICINES ACTING ON THE RESPIRATORY TRACT</b></p> <ul style="list-style-type: none"> <li>• Aminophylline</li> <li>• Bambuterol</li> <li>• Baclofemethasone (dipropionate)</li> <li>• Budesonide (dipropionate)</li> <li>• Epinephrine (adrenaline)(as hydrochloride or hydrogen tartrate)</li> <li>• Fluticasone propionate</li> <li>• Fluticasone propionate and salmeterol combination</li> <li>• Hydrocortisone</li> <li>• Ipratropium bromide</li> <li>• Montelukast</li> <li>• Prednisolone</li> <li>• Salbutamol (Sulfate)</li> <li>• Theophylline</li> <li>• Tiotropium bromide</li> <li>• Benzoin Tincture</li> <li>• Carbocysteine</li> <li>• Dextromethorphan</li> <li>• Diphenhydramine (hydrochloride)</li> <li>• Nikethamide</li> </ul> |

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| SECTION – 23 | <p><b>SOLUTION CORRECTING WATER , ELECTROLYTES AND ACID BASE BALANCE</b></p> <ul style="list-style-type: none"> <li>• Magnesium oxide</li> <li>• Oral Rehydration Salts</li> <li>• Potassium Chloride</li> <li>• Sodium Chloride</li> <li>• Dextrose</li> <li>• Dextrose and Sodium Chloride</li> <li>• Physiological saline</li> <li>• Potassium chloride</li> <li>• Ringer Lactate</li> <li>• Saline</li> <li>• Sodium bicarbonate</li> <li>• 3% sodium chloride</li> <li>• Water for injection</li> <li>• Amino acid solution</li> <li>• Lipid solution</li> <li>• Total Parenteral Nutrition</li> </ul> |
| SECTION – 24 | <p><b>VITAMINS AND MINERALS</b></p> <ul style="list-style-type: none"> <li>• Alfalcidol(Hydroxycholecalciferol)</li> <li>• Ascorbic acid</li> <li>• Calcium gluconate</li> <li>• Ergocalciferol</li> <li>• Hydroxocobalamin</li> <li>• Multivitamin and Mineral Preparation</li> <li>• Magnesium Sulphate</li> <li>• Nicotinamide</li> <li>• Potassium Chloride</li> <li>• Pyridoxine(Hydrochloride)</li> <li>• Retinol(Palmitate)</li> <li>• Riboflavin</li> <li>• Sodium Fluoride</li> <li>• Thiamine (hydrochloride)</li> <li>• Vitamin B Complex</li> <li>• Vitamin K1</li> </ul>                       |
| SECTION – 25 | <p><b>MEDICINES USED IN CANCER CHEMOTHERAPY</b></p> <ul style="list-style-type: none"> <li>• Bendamustine</li> <li>• Busulfan</li> <li>• Chlorambucil</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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|  | <ul style="list-style-type: none"> <li>• Cisplatin</li> <li>• Carboplatin</li> <li>• Cyclophosphamide</li> <li>• Dacarbazine (DTIC)</li> <li>• Ifosfamide</li> <li>• Melfalan</li> <li>• Oxaliplatin</li> <li>• Capecitabine</li> <li>• Cytarabine</li> <li>• Fludarabine</li> <li>• Gemcitabine</li> <li>• Hydroxycarbamide</li> <li>• Methotrexate</li> <li>• Thioguanine</li> <li>• 5- Fluorouracil</li> <li>• 6 -Mercaptopurine</li> <li>• Docetaxel</li> <li>• Etoposide</li> <li>• Irinotecan</li> <li>• Paclitaxel</li> <li>• Vinblastine</li> <li>• Vincristine</li> <li>• Vinorelbine</li> <li>• Bleomycin C (Lyophilized powder)</li> <li>• Dactinomycin</li> <li>• Daunorubicin</li> <li>• Doxorubicin</li> <li>• Epirubicin</li> <li>• Idarubicin</li> <li>• Mitomycin - C</li> <li>• Mitoxantrone</li> <li>• Anastrozole</li> <li>• Bromocriptine</li> <li>• Flutamide</li> <li>• Letrozole</li> <li>• Leuprolide acetate (Lupron-Depot)</li> <li>• Tamoxifen</li> <li>• Arsenic trioxide</li> </ul> |
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|                     | <ul style="list-style-type: none"> <li>• Asparaginase (Lyophilized powder)</li> <li>• Bevacizumab</li> <li>• Bortezomib</li> <li>• Dasatinib</li> <li>• Dexamethasone</li> <li>• Imatinib</li> <li>• Lenalidomide</li> <li>• Methylprednisolone</li> <li>• Prednisolone</li> <li>• Procarbazine</li> <li>• Rituximab</li> <li>• Sorafenib</li> <li>• Trastuzumab (Herceptin)</li> <li>• Thalidomide</li> <li>• Tretinoin/all trans retinoic acid</li> <li>• Antithymocyte globulin</li> <li>• Deferasirox</li> <li>• Deferiprone</li> <li>• Desferrioxamine mesylate</li> <li>• Eltrombopag</li> <li>• Erythropoietin (Epoetin)</li> <li>• Filgrastim</li> <li>• Folinic acid</li> <li>• Hydrocortisone</li> <li>• Mesna</li> <li>• Mycophenolate mofetil</li> <li>• Normal Immunoglobulin</li> <li>• Pamidronate</li> <li>• Rasburicase</li> <li>• Tacrolimus</li> <li>• Zoledronic -1A</li> </ul> |
| <b>SECTION – 26</b> | <b>OTORHINOLARYNGOLOGICAL PREPARATION</b> <ul style="list-style-type: none"> <li>• Boric acid /spirit</li> <li>• Chlorhexidine + Neomycin</li> <li>• Polymyxin + Bacitracin + Neomycin</li> <li>• Betamethasone + Neomycin</li> <li>• Clotrimazole</li> <li>• Fluticasone</li> <li>• Mometasone</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                     | <ul style="list-style-type: none"> <li>• Polymyxin B + Neomycin</li> <li>• Oxymetazoline(hydrochloride)</li> <li>• Sodium bicarbonate/ Glycerin</li> <li>• Bismuth subnitrate and Iodoform</li> </ul> |
| <b>SECTION - 27</b> | <b>MEDICINES FOR UROLOGICAL SYSTEM</b> <ul style="list-style-type: none"> <li>• Potassium Citrate</li> <li>• Finasteride</li> </ul>                                                                   |

# SECTIONS

## Myanmar Essential Medicines Project

| SECTION -1 : ANAESTHETICS                                                         |                                                                                                             |                                                                                                                                                              |          |
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| 1.1 General Anaesthetics                                                          |                                                                                                             |                                                                                                                                                              |          |
| Classification, Generic Name (INN)                                                | Route of administration, Dosage form, Strength                                                              |                                                                                                                                                              | Category |
| 1.1.1 Inhalational Anaesthetics and Oxygen                                        |                                                                                                             |                                                                                                                                                              |          |
| Volatile Liquid Anaesthetics                                                      |                                                                                                             |                                                                                                                                                              |          |
| Halothane                                                                         | Inhalation                                                                                                  |                                                                                                                                                              | C        |
| Isoflurane                                                                        | Inhalation                                                                                                  |                                                                                                                                                              | C        |
| Sevoflurane                                                                       | Inhalation                                                                                                  | 100ml/bot ,250ml/bot                                                                                                                                         | C        |
| Gaseous Anaesthetics                                                              |                                                                                                             |                                                                                                                                                              |          |
| Nitrous oxide                                                                     | Inhalation                                                                                                  |                                                                                                                                                              | C        |
| Oxygen (Medicinal Gas)                                                            |                                                                                                             |                                                                                                                                                              | A        |
| 1.1.2 Intravenous Anaesthetics                                                    |                                                                                                             |                                                                                                                                                              |          |
| Ketamine (hydrochloride)                                                          | Injection                                                                                                   | 10mg/ml, 50mg/ml                                                                                                                                             | A        |
| Metaraminol                                                                       | Injection (IV)                                                                                              | 10mg/ml                                                                                                                                                      | E2       |
| Propofol                                                                          | Injection                                                                                                   | 10mg/ml, 1%                                                                                                                                                  | C        |
| Suxamethonium Chloride (liquid form)                                              | (inj) IV/IM                                                                                                 | 200mg powder in vial                                                                                                                                         | C        |
| Bromide (powder form)                                                             | Injection                                                                                                   | (powder for injection (chloride ),in vial)                                                                                                                   |          |
| Thiopental                                                                        | Injection                                                                                                   | 25mg/ml, 2.5%                                                                                                                                                | C        |
| Vecuronium (inj)                                                                  | IV injection or IV infusion                                                                                 | Powder for injection; 10mg (bromide) in vial                                                                                                                 | C        |
| 1.2 Local Anaesthetics                                                            |                                                                                                             |                                                                                                                                                              |          |
| - Bupivacaine (hydrochloride)                                                     | Spinal<br>Nerve block<br>Epidural block                                                                     | 0.5%heavy5mg/ml+7.5%glucose<br>2.5-5mg/ml, 0.25-0.5%<br>2.5-5mg/ml, 0.25-0.5%                                                                                | A        |
| Lignocaine (hydrochloride)                                                        | Spinal<br>Nerve block<br>Epidural block<br>Lozenge<br>Dental Cartridge<br>Spray<br>Infiltration<br>Regional | 5% heavy50mg/ml+7.5%glucose<br>15-20mg/ml,1.5 to2%<br>15-20mg/ml,1.5 to 2%<br>5%<br>2% + 1:80,000 adrenaline<br>10%<br>5-10mg/ml ,0.5 to 1%<br>5mg/ml, 0.5 % | A        |
| Ephedrine (for use in spinal anaesthesia during delivery, to prevent hypotension) | Injection                                                                                                   | 30mg/ml                                                                                                                                                      | C        |

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| Lignocaine + Epinephrine<br>(dental cartridge)   | Dental cartridge<br><br>Injection                       | 2 % (lidocaine hydrochloride) +<br>1:80,000 epinephrine<br>1% ; 2% (lidocaine<br>hydrochloride or sulfate) +<br>1:200,000 epinephrine in vial | A |
| <b>1.3 Pre-operative medication and sedation</b> |                                                         |                                                                                                                                               |   |
| Atropine (sulfate)                               | Injection                                               | 600mcg/ml                                                                                                                                     | A |
| Diazepam                                         | Tablet                                                  | 5mg, 10mg                                                                                                                                     | A |
|                                                  | Injection                                               | 5mg/ml in 2 ml amp                                                                                                                            |   |
| Morphine                                         | Injection (IV, IM, SC )                                 | 10,15,20,30mg/ml                                                                                                                              | C |
|                                                  | Capsule /Tablet                                         | 5,10,15,30,60,90,120,150,200<br>mg (as morphine sulphate )                                                                                    |   |
|                                                  | Suspension<br>(sachet of granules<br>to mix with water) | 20,30,60,100,200 mg/sachet                                                                                                                    |   |
|                                                  | Suppositories                                           | 10,15,20,30mg                                                                                                                                 |   |
| Midazolam                                        | Oral Liquid                                             | 2.5 mg/ml in 100ml bot                                                                                                                        | D |
|                                                  | Injection ( IV/IM )                                     | 1 mg/ml, 2mg/ml, 5mg/ml                                                                                                                       |   |
| Glycopyrrolate                                   | Injection ( IV/IM )                                     | 200 ug /ml                                                                                                                                    | C |

### SECTION-2: ANALGESICS, ANTIPYRETICS, NON -STEROIDAL ANTI -INFLAMMATORY MEDICINES (NSAIDs ), MEDICINES USED TO TREAT GOUT AND DISEASE MODIFYING AGENTS IN RHEUMATOID DISORDERS (DMARDs)

#### 2.1 Non-opioids

| Classification, Generic Name<br>(INN) | Route of administration, Dosage form, Strength |                              | Category |
|---------------------------------------|------------------------------------------------|------------------------------|----------|
| Acetylsalicylic acid                  | Tablet<br>(soluble dispersible forms)          | 75mg, 80mg,300mg             | C        |
| Diclofenac<br>(sodium/potassium)      | Tablet                                         | 25mg,50mg                    | A        |
|                                       | Injection                                      | 25mg/ml in 3ml amp           | C        |
|                                       | Suppository                                    | 12.5mg,25mg,<br>50mg,100mg   |          |
| Ibuprofen                             | Oral Liquid                                    | 200mg/5ml                    | A        |
|                                       | Tablet                                         | 200mg,400mg                  |          |
| Naproxen                              | Oral Tablet                                    | 250mg,500mg                  | A        |
| Nitrous oxide + O2                    | Inhalation                                     | 70% Nitrous oxide/<br>oxygen | E2       |

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| Paracetamol                                                           | Tablet<br>Suppository<br><br>Oral Liquid                                            | 500mg<br>80mg,125mg,150mg,<br>300mg,600mg<br>120mg/5ml,<br>250mg/5ml                                                                                     | A           |
| <b>2.2 Opioid Analgesics</b>                                          |                                                                                     |                                                                                                                                                          |             |
| Codeine Phosphate                                                     | Tablet                                                                              | 30mg                                                                                                                                                     | C           |
| Fentanyl (citrate)                                                    | Injection<br>Tablet<br>(sublingual, buccal)<br>Nasal Spray<br><br>Transdermal patch | 50mcg/ml,2ml amp<br>100ug,200ug,300ug,400ug<br>600ug,800ug<br>50ug,100ug,200ug,400ug/<br>metered spray<br>12ug,25ug,50ug,75ug,<br>100ug/hour for 72 hour | C           |
| Morphine (sulfate/hydrochloride)                                      | Injection                                                                           | 10mg/ml, 15mg/ml                                                                                                                                         | C           |
| Pethidine (hydrochloride)                                             | Tablet<br>Injection                                                                 | 50mg<br>50mg, 100mg/ml                                                                                                                                   | C           |
| Tramadol (hydrochloride)                                              | Tablet/Capsule<br>Injection                                                         | 50mg, 100mg<br>50mg/ml, 100mg/2ml                                                                                                                        | C           |
| <b>2.3 Medicines used to treat gout &amp; hyperuracemic condition</b> |                                                                                     |                                                                                                                                                          |             |
| Allopurinol                                                           | Tablet                                                                              | 100mg                                                                                                                                                    | A           |
| Colchicine                                                            | Tablet                                                                              | 500mcg                                                                                                                                                   | A           |
| <b>2.4 Disease Modifying Agents Used in Rheumatoid Disorders</b>      |                                                                                     |                                                                                                                                                          |             |
| Chloroquine (phosphate/sulfate)                                       | Tablet<br>Oral Liquid                                                               | 150mg base<br>50mg/5ml base                                                                                                                              | B           |
| Hydroxychloroquine [c]                                                | Solid oral dosage form                                                              | 200 mg (as sulfate )                                                                                                                                     | B           |
| Methotrexate (sodium salt)                                            | Tablet<br><br>Injection                                                             | 2.5mg, 5mg<br><br>10mg/ml, 50mg/5ml<br>500mg/5ml,<br>1000mg/10ml                                                                                         | C           |
| Sulfasalazine                                                         | Tablet                                                                              | 500mg                                                                                                                                                    | C           |
| <b>2.5 Medicine Used For Neuropathic Pain</b>                         |                                                                                     |                                                                                                                                                          |             |
| Gabapentin                                                            | Capsule /Tablet                                                                     | 100 mg,300mg,400mg<br>600mg, 800mg                                                                                                                       | D           |
| <b>2.6 Medicine Used For Migraine Acute Attack</b>                    |                                                                                     |                                                                                                                                                          |             |
| Paracetamol                                                           | Oral Tablet<br>Oral liquid<br>Suppository                                           | 500mg<br>25 mg/ml in 3 ml amp<br>12.5, 25, 50 ,100mg                                                                                                     | A<br>C<br>A |

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|                             |                         |                                           |   |
|-----------------------------|-------------------------|-------------------------------------------|---|
| Ibuprofen                   | Tablet                  | 200 mg,400mg                              | A |
| <b>For Prophylaxis</b>      |                         |                                           |   |
| Amitriptyline (prophylaxis) | Tablet<br>Oral solution | 10 mg, 25mg, 50mg<br>25 mg/ 5ml, 50mg/5ml | A |
| Propranolol (hydrochloride) | Tablet                  | 20,40,80 mg                               | A |

### SECTION-3: ANTI- ALLERGICS AND MEDICINES USED IN ANAPHYLAXIS

| Classification, Generic Name (INN)                                  | Route of administration, Dosage form, Strength |                                          | Category |
|---------------------------------------------------------------------|------------------------------------------------|------------------------------------------|----------|
| Cetirizine (hydrochloride)                                          | Tablet<br>Oral Liquid                          | 10mg<br>5mg/5ml                          | A        |
| Chlorpheniramine (maleate)                                          | Tablet<br>Injection                            | 4mg<br>10mg/ml                           | A        |
| Dexamethasone (sodium phosphate)                                    | Tablet<br>Injection                            | 500mcg<br>4mg/ml in 1ml, 2ml amp.        | A        |
| Epinephrine (hydrogen tartrate)                                     | Injection                                      | 1:1000, 1:10000<br>(1mg/ml,0.1mg/ml amp) | A        |
| Hydrocortisone (acetate)<br>(sodium succinate/<br>sodium phosphate) | Cream/Ointment<br>Injection                    | 0.5%, 1%<br>100mg, 500mg in vial         | A        |
| Loratadine                                                          | Tablet<br>Oral liquid                          | 10mg<br>5mg/5ml                          | A        |
| Prednisolone                                                        | Tablet                                         | 5mg                                      | A        |

### SECTION-4: ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING

#### 4.1 Non-specific

| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                 | Category |
|------------------------------------|------------------------------------------------|-----------------|----------|
| Charcoal (activated)               | Powder Granules                                | 25g, 50g sachet | A        |

#### 4.2 Specific

|                         |                      |                        |    |
|-------------------------|----------------------|------------------------|----|
| Acetylcysteine          | Injection            | 200mg/ml in 10 ml amp. | A  |
| Atropine (sulfate)      | Injection            | 600mcg/ml              | A  |
| Calcium gluconate       | Injection            | 100mg/ml in 10 ml amp  | A  |
| Deferoxamine (mesylate) | Powder for Injection | 500mg in vial          | C  |
| Digibind                | Injection(Infusion)  | 38mg/vial              | E2 |
| Dimercaprol             | Injection            | 50mg/ml in 2ml amp.    | C  |
| Flumazenil              | Injection            | 100mcg/ml in 5ml amp.  | D  |



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|                                              |                        |                       |   |
|----------------------------------------------|------------------------|-----------------------|---|
| Methylthioninium chloride ( Methylene blue ) | Injection              | 10mg/ml               | D |
| Naloxone (hydrochloride)                     | Injection              | 400mcg in 1ml amp.    | A |
| Penicillamine                                | Tablet/Capsule         | 50mg, 125mg, 250mg    | C |
| Pralidoxime (mesylate)                       | Injection              | 200mg/ml in 5ml amp   | A |
| Sodium calcium edetate                       | Injection              | 200mg/ml in 5ml amp   | C |
| Sodium Nitrite                               | Injection              | 30mg/ml in 10ml amp.  | C |
| Sodium Thiosulfate                           | Injection              | 250mg/ml in 50 ml amp | C |
| Succimer                                     | Solid oral dosage form | 100mg                 | D |

| SECTION 5: MEDICINES FOR CENTRAL NERVOUS SYSTEM                 |                                                |                                                                           |          |
|-----------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------|----------|
| 5.1 Anticonvulsants, Antiepileptics                             |                                                |                                                                           |          |
| Classification, Generic Name (INN)                              | Route of administration, Dosage form, Strength |                                                                           | Category |
| Carbamazepine                                                   | Tablet                                         | 100mg, 200mg                                                              | A        |
| Diazepam                                                        | Tablet<br>Injection<br>Rectal solution         | 5mg, 10mg<br>30mg/ml in 2ml amp.<br>2.5mg, 5mg, 10mg, 20mg in rectal tube | A        |
| Lamotrigine                                                     | Tablet                                         | 25mg,50mg,100mg                                                           | D        |
| Levetiracetam                                                   | Oral Tablet                                    | 250mg,500mg,1g                                                            | D        |
| Lorazepam                                                       | Parenteral Formulation                         | 2mg /ml in 1ml amp,<br>4mg/ml in 1ml amp                                  | A,C      |
|                                                                 | Tablet                                         | 2mg                                                                       |          |
| Midazolam                                                       | Injection                                      | 10mg/2ml                                                                  | C,D      |
| Magnesium sulfate (for use in eclampsia & severe pre-eclampsia) | Injection                                      | 500mg in 2ml (25%)<br>4g in 20ml (20%)                                    | A,E1 ,C  |
| Phenobarbital (sodium salt)                                     | Tablet<br>Oral Liquid<br>Injection             | 15mg, 30mg, 60mg<br>15mg/5ml<br>200mg/ml amp                              | A        |
| Topiramate                                                      | Tablet                                         | 25mg, 50mg                                                                | D        |
| Valproic Acid (Sodium Valproate)                                | Tablet<br>Injection                            | 200mg, 500mg<br>400mg/4ml                                                 | A        |
| 5.2 Medicines for Parkinsonism                                  |                                                |                                                                           |          |
| Trihexyphenidyl (Benzhexol)                                     | Tablet                                         | 2mg                                                                       | A        |
| Levodopa + Carbidopa                                            | Tablet<br><br>Oral Liquid                      | 100mg + 10 mg<br>250mg + 25 mg<br>200mg/5ml                               | A        |

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| SECTION 6: ANTI-INFECTIVE MEDICINES             |                                                |                                                                              |          |
|-------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|----------|
| 6.1 Anthelmintics                               |                                                |                                                                              |          |
| Classification, Generic Name (INN)              | Route of administration, Dosage form, Strength |                                                                              | Category |
| 6.1.1 Intestinal Anthelmintics                  |                                                |                                                                              |          |
| Albendazole                                     | Tablet                                         | 200mg, 400mg                                                                 | A        |
| Ivermectin                                      | Tablet(scored)                                 | 3mg, 6mg                                                                     | C        |
| Levamisole                                      | Tablet                                         | 25mg, 50mg, 150mg                                                            | A        |
| Mebendazole                                     | Tablet                                         | 100mg, 500mg                                                                 | A        |
| Niclosamide                                     | Tablet                                         | 500mg                                                                        | A        |
| Praziquantel                                    | Tablet                                         | 150mg, 600mg                                                                 | A        |
| 6.1.2 Antifilarials                             |                                                |                                                                              |          |
| Diethylcarbamazine (citrate)                    | Tablet                                         | 50mg                                                                         | A        |
| 6.2 Antibacterials                              |                                                |                                                                              |          |
| 6.2.1 Penicillins and Beta Lactam medicines     |                                                |                                                                              |          |
| Amoxicillin (trihydrate) (sodium salt)          | Tablet/Capsule<br>Injection<br>Oral liquid     | 250mg, 500mg<br>500mg, 1g vial<br>125mg/5ml                                  | A        |
| Amoxicillin with clavulanic acid (Co-amoxiclav) | Tablet<br>Injection<br><br>Oral liquid         | 375mg, 625mg<br>600mg (500mg+100mg),<br>1.2g(1000mg+200mg)/vial<br>156mg/5ml | A        |
| Ampicillin                                      | Powder for injection                           | 500mg ,1g (as sodium salt) in vial                                           | A,C      |
| Benzathine penicillin                           | Injection                                      | 1.44 g benzylpenicillin (2.4 million IU) in 5ml vial                         | A        |
| Benzyl penicillin G (sodium/potassium salt)     | Injection                                      | 300mg/vial single or multiple dose vial                                      | A        |
| Cefazolin                                       | Powder for injection                           | 1g (as sodium salt) in vial * for surgical prophylaxis                       | C        |
| Cefoperazone + Sulbactam                        | Injection                                      | 500mg+500mg, 1g,2g                                                           | D        |
| Cephalexin                                      | Tablet/Capsule<br>Oral Liquid                  | 250mg, 500mg<br>125mg, 250mg/5ml                                             | A        |
| Cefuroxime (sodium salt)                        | Tablet (as axetil)<br>Injection<br>Oral Liquid | 125mg, 250mg<br>250mg, 750mg/vial<br>125mg/5ml                               | B        |
| Cefaclor                                        | Capsule<br>Oral Liquid                         | 250mg, 500mg<br>125mg, 250mg/5ml                                             | C        |

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|                                                         |                                            |                                                                                                       |      |
|---------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------|------|
| Cefotaxime                                              | Powder for Injection                       | 250mg/vial (as sodium salt)                                                                           | B,C  |
| Ceftriaxone (sodium salt)                               | Injection                                  | 1g, 2g/vial                                                                                           | C,E1 |
| Cefixime                                                | Tablet/Capsule                             | 100mg, 200mg                                                                                          | D,C  |
| Ceftazidime (pentahydrate)                              | Injection                                  | 1g, 2g/vial                                                                                           | C    |
| Cloxacillin                                             | Capsule<br>Injection<br>Oral Liquid        | 250mg, 500mg<br>500mg in vial<br>125mg/5ml                                                            | A    |
| Flucloxacillin (sodium)                                 | Capsule<br>Injection<br>Oral Liquid        | 250mg, 500mg<br>500mg, 1g vial<br>125mg/ 5ml                                                          | A    |
| Fortified Procaine Penicillin G                         | Injection                                  | mixture of 5 parts of procaine penicillin and 1part of benzyl penicillin single or multiple dose vial | A    |
| Imipenem + Cilastatin (monohydrate)                     | Injection                                  | 500mg+ 500mg                                                                                          | D,C  |
| Meropenem                                               | Injection                                  | 1g/vial                                                                                               | C    |
| Phenoxymethyl penicillin                                | Tablet                                     | 250mg                                                                                                 | A    |
| Piperacillin with tazobactam                            | Injection                                  | 4g+500mg                                                                                              | D    |
| <b>6.2.2 Other Antibacterials</b>                       |                                            |                                                                                                       |      |
| Amikacin (sulfate)                                      | Tablet<br>Injection                        | 500mg<br>250mg/ml, 500mg in 2ml vial                                                                  | B    |
| Azithromycin (dihydrate)                                | Tablet/Capsule<br>Oral Liquid<br>Injection | 250mg, 500mg<br>200mg/5ml<br>250mg/vial, 500mg/vial                                                   | C    |
| Chloramphenicol (palmitate/sodium succinate)            | Oral Liquid                                | 125, 250mg/5ml                                                                                        | C    |
| Ciprofloxacin                                           | Tablet<br>Injection<br>Oral Liquid         | 250mg, 500mg<br>200mg/100ml bot<br>250mg/5ml                                                          | D    |
| Clarithromycin                                          | Solid oral dosage form                     | 500mg                                                                                                 | D    |
| Clindamycin                                             | Capsule<br>Injection                       | 150mg, 300mg<br>300mg/2ml                                                                             | B    |
| Co-trimoxazole (Sulfamethoxazole + Trimethoprim - 5:1)  | Tablet<br>Oral Liquid                      | 120mg, 480mg<br>240mg/5ml                                                                             | A    |
| Doxycycline (hydrochloride)                             | Tablet/Capsule                             | 100mg                                                                                                 | A    |
| Erythromycin (stearate) (ethylsuccinate) (lactobionate) | Tablet/Capsule<br>Oral Liquid<br>Injection | 250mg<br>125mg/5ml, 250mg/5ml<br>1g vial                                                              | A    |
| Gentamicin (sulfate)                                    | Injection<br><br>Eye drop                  | 10mg, 40mg/ml in 2ml amp<br>0.3%                                                                      | A    |
| Levofloxacin                                            | Intravenous Injection                      | 5mg/ml in 100ml bottle                                                                                | D    |

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|------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------|------|
| Lincomycin                               | Capsule                                   | 250mg, 500mg                                                                        | C    |
| Linezolid                                | Oral                                      | 600mg                                                                               | E2   |
| Metronidazole (benzoate)                 | Tablet<br>Injection<br>Oral Liquid<br>Gel | 200mg- 500mg<br>500mg/100ml bot<br>200mg/5ml<br>0.75%                               | A    |
| Neomycin (sulfate)                       | Tablet/ Capsule<br>Oral Liquid            | 500mg<br>100mg/5ml                                                                  | A    |
| Nitrofurantoin                           | Tablet                                    | 25mg/5ml, 100mg                                                                     | B    |
| Norfloxacin                              | Tablet<br>Drop (Ear/Nose)                 | 400mg<br>0.3%                                                                       | A    |
| Tetracycline                             | Eye ointment                              | 1%                                                                                  | A    |
| Vancomycin                               | Injection<br>Tablet                       | 500mg vial<br>125mg, 250mg                                                          | D    |
| <b>6.2.3 Antileprotic Medicines</b>      |                                           |                                                                                     |      |
| Clofazimine                              | Capsule                                   | 50mg, 100mg                                                                         | A,E1 |
| Dapsone                                  | Tablet                                    | 50mg, 100mg                                                                         | A,E1 |
| Ofloxacin                                | Tablet                                    | 200mg, 400mg                                                                        | E1   |
| Rifampicin                               | Capsule/Tablet                            | 150, 300, 450mg                                                                     | E1   |
| <b>6.2.4 Antituberculous Medicines</b>   |                                           |                                                                                     |      |
| Ethambutol (hydrochloride)               | Tablet                                    | 400mg                                                                               | A    |
| Isoniazid                                | Tablet                                    | 100mg, 300mg                                                                        | A    |
| Isoniazid + Ethambutol                   | Tablet                                    | 150mg+400mg                                                                         | E1   |
| Isoniazid + Rifampicin                   | Capsule<br>Oral Dispersible Tablet        | 75mg + 150mg<br>100mg+100mg<br>100mg+150mg                                          | B,E1 |
| Isoniazid+Rifampicin+Ethambutol          | Tablet                                    | 75mg+150mg+275mg                                                                    | E1   |
| Isoniazid + Rifampicin +<br>Pyrazinamide | Tablet                                    | 30mg+150mg+60mg                                                                     | B,E1 |
| 4 FDC<br>(Fixed-Dose Combination)        | Capsule                                   | Isoniazid 75mg +<br>Rifampicin 150mg +<br>Pyrazinamide 400mg +<br>Ethambutol 275mg  | B    |
| Pyrazinamide                             | Tablet                                    | 400mg                                                                               | A    |
| Rifabutin                                | Capsule                                   | 150mg ( *for used only in<br>patients with HIV<br>receiving protease<br>inhibitors) | E1   |
| Rifampicin                               | Capsule/Tablet<br>Oral Liquid             | 150mg,300mg,450mg<br>100mg/5ml                                                      | A    |
| Streptomycin (sulfate)                   | Injection                                 | 1g/ vial                                                                            | A    |

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| Second-line medicines for the treatment of multidrug- resistant tuberculosis (MDR-TB) |                         |                                            |      |
|---------------------------------------------------------------------------------------|-------------------------|--------------------------------------------|------|
| Amikacin                                                                              | Injection<br>Tablet     | 250mg, 500mg in 2ml vial<br>500 mg         | C,E1 |
| Capreomycin                                                                           | Injection               | 1000mg in vial                             | E1   |
| Cycloserine                                                                           | Capsule/Tablet          | 250mg                                      | C    |
| Ethionamide                                                                           | Tablet                  | 125mg, 250mg                               | C    |
| Kanamycin                                                                             | Injection               | 1g in vial                                 | E1   |
| Levofloxacin                                                                          | Tablet                  | 250mg, 500mg                               | C,D  |
| Moxifloxacin                                                                          | Tablet                  | 400mg, 250mg, 500mg                        | E1   |
| P-aminosalicylic acid                                                                 | Oral 60% Granules       | (100 g per jar) 5.5 g per one scoop bd/day | C,E1 |
| 6.3 Antifungal Medicines                                                              |                         |                                            |      |
| Amphotericin B (salt complex or lipid complex forms)                                  | Injection               | 50mg, 100mg vial                           | C    |
| Caspofungin                                                                           | IV Infusion             | 50mg,70mg vial                             | D,E2 |
| Clotrimazole                                                                          | Eye Drop                | 1%                                         | B    |
|                                                                                       | Drop (Ear/Nose)         | 1%                                         | A    |
|                                                                                       | Cream                   | 1%, 10%                                    | A    |
|                                                                                       | Pessary                 | 100mg, 200mg, 500mg                        | A    |
| Fluconazole                                                                           | Capsule                 | 50mg, 150mg, 200mg                         | A    |
|                                                                                       | IV Infusion             | 2mg/ml                                     | C    |
| Griseofulvin                                                                          | Solid oral dosage form  | 125mg, 250mg                               | A    |
| Itraconazole                                                                          | Oral (Capsule/ Liquid ) | 100mg                                      | C    |
| Ketoconazole                                                                          | Tablet                  | 200mg                                      | A    |
|                                                                                       | Oral Liquid             | 100mg/5ml                                  |      |
|                                                                                       | Cream                   | 2%                                         |      |
| Liposomal Amphotericin                                                                | IV Infusion             | 50mg vial (powder for reconstitution)      | E2   |
| Nystatin                                                                              | Tablet                  | 100,000 IU, 500,000 IU                     | A    |
|                                                                                       | Lozenge                 | 100,000 IU                                 |      |
|                                                                                       | Oral Liquid             | 100,000 units/g                            |      |
|                                                                                       | Pessary                 | 100,000 IU                                 |      |
| Potassium iodide (KI)                                                                 | Tablet                  | 65mg, 130 mg                               | A    |
| Voriconazole                                                                          | Oral                    | 50mg, 200mg tab                            | D,E2 |
|                                                                                       | IV infusion             | 200mg vial (powder for reconstitution)     |      |
| 6.4 Anti-protozoal Medicines                                                          |                         |                                            |      |
| 6.4.1 Anti-amoebic and Anti-giardiasis                                                |                         |                                            |      |
| Metronidazole (benzoate)                                                              | Tablet                  | 200mg ,500 mg                              | A    |
|                                                                                       | Injection               | 500mg/100ml bot                            |      |
|                                                                                       | Oral Liquid             | 200mg/5ml                                  |      |
|                                                                                       | Gel                     | 0.75%                                      |      |

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| 6.4.2 Antimalarial Medicines              |                      |                                                              |      |
|-------------------------------------------|----------------------|--------------------------------------------------------------|------|
| Artemether                                | Tablet               | 50mg                                                         | E1   |
| Artemether + Lumefantrine                 | Tablet (dispersible) | 20mg+120mg                                                   | E1   |
| Artesunate                                | Tablet               | 50mg                                                         | C,E1 |
| Atovaquone + Proguanil                    | Oral                 | 750mg                                                        | E1   |
| Chloroquine (phosphate/sulfate)           | Tablet               | 150mg base                                                   | A,E1 |
|                                           | Oral Liquid          | 50mg/5ml base                                                |      |
| Dihydroartemisinin + Piperaquine          | Oral                 | 40mg+320mg                                                   | E1   |
| Doxycycline (hydrochloride)               | Tablet/Capsule       | 100mg                                                        | E1   |
| Primaquine (diphosphate)                  | Tablet               | 7.5mg, 15mg                                                  | A,E1 |
| Quinine (sulfate)<br>(dihydrochloride)    | Tablet               | 300mg                                                        | A    |
|                                           | Injection            | 300mg/ml in 2ml amp                                          |      |
| 6.4.3 Antiviral and Antiretroviral Agents |                      |                                                              |      |
| Abacavir                                  | Tablet               | 300mg                                                        | E1   |
|                                           | Oral (Liquid)        | 20mg/ml                                                      |      |
| Abacavir + Lamivudine                     | Tablet               | (600+300) mg                                                 | E1   |
| Acyclovir                                 | Tablet               | 200mg, 400mg,800mg                                           | A    |
|                                           | Injection            | 250mg, 500mg in vial                                         |      |
|                                           | Cream                | 5%                                                           |      |
| Atazanavir boosted Lopinavir              | Tablet               |                                                              | E1   |
| Efavirenz                                 | Tablet/Capsule       | 600 mg, 200mg, 50mg                                          | E1   |
|                                           | Oral (Dispersible )  | 30mg/ml                                                      |      |
| Lopinavir<br>(For Children)               | Oral (Liquid)        | 80mg/20mg (two drugs combination of Lopinavir and Ritonavir) | E1   |
| Nevirapine                                | Tablet               | 200 mg                                                       | E1   |
| Ribavirin                                 | Oral                 | 200 mg (800mg/200mg)                                         | E2   |
| Ritonavir boosted Lopinavir               | Capsule/Tablet       | 400 mg/ 100mg                                                | E1   |
| Tenofovir                                 | Tablet               | 300 mg                                                       | E1   |
| Tenofovir + Emtricitabine+<br>Efavirenz   | Tablet               | (300+200+600) mg                                             | E1   |
| Tenofovir + Lamivudine                    | Tablet               | (300+300) mg                                                 | E1   |
| Tenofovir+ Lamivudine+ Efavirenz          | Tablet               | (300+300+600) mg                                             | E1   |
| Valganciclovir                            | Tablet               | 450 mg                                                       | D    |
| Zidovudine + Lamivudine                   | Tablet               | (300+300) mg                                                 | E1   |
| Zidovudine + Lamivudine+<br>Nevirapine    | Tablet               | (300+300+200) mg                                             | E1   |



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| SECTION 7: ANTIMIGRAINE MEDICINES                 |                                                |                                                                   |          |
|---------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|----------|
| 7.1 For treatment of acute attack                 |                                                |                                                                   |          |
| Classification, Generic Name (INN)                | Route of administration, Dosage form, Strength |                                                                   | Category |
| Acetylsalicylic acid (soluble /dispersible forms) | Tablet                                         | 75mg, 80mg, 300mg                                                 | A,C      |
| Diclofenac (sodium /potassium)                    | Tablet<br>Injection<br>Suppository             | 25mg, 50mg<br>25mg/ml in 3ml amp.<br>12.5, 25, 50,100mg           | A,C      |
| Paracetamol                                       | Tablet<br>Oral Liquid<br>Suppository           | 500mg<br>120mg/5ml, 250mg/5ml<br>80mg,125mg,150mg,<br>300mg,600mg | A,C      |
| 7.2 For Prophylaxis                               |                                                |                                                                   |          |
| Propranolol (hydrochloride)                       | Tablet                                         | 20mg, 40mg, 80mg                                                  | A,C      |

| SECTION 8: MEDICINES AFFECTING THE BLOOD |                                                |                                                          |          |
|------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------|
| 8.1 Anti-anaemic Medicines               |                                                |                                                          |          |
| Classification, Generic Name (INN)       | Route of administration, Dosage form, Strength |                                                          | Category |
| Erythropoietin (Epoetin)                 | Injection                                      | 40000 IU/ml vial<br>10000 IU prefilled syringe           | E2       |
| Ferrous salt (sulfate, fumarate)         | Tablet<br>Oral Liquid                          | equivalent to iron 60-<br>65mg equivalent to<br>45mg/5ml | A        |
| Filgrastim                               | S/C                                            | 0.5ml (30 million units)                                 | D        |
| Folic acid (sodium salt)                 | Tablet<br>Injection                            | 1mg, 5mg<br>15mg/ml amp                                  | A        |
| Granulocyte colony stimulating factor    | Injection                                      | 300mcg/vial                                              | D        |
| Hydroxocobalamin                         | Injection                                      | 100mcg/ml, 1000mcg/ml                                    | A        |
| Oxymetholone                             | Tablet                                         | 50mg/ tab                                                | D        |
| Vitamin B1                               | Injection                                      |                                                          | A        |
| Vitamin B6                               | Injection                                      |                                                          | A        |
| 8.2 Medicines affecting coagulation      |                                                |                                                          |          |
| Enoxaparin                               | S/C injection                                  | 40mg/0.4ml<br>60mg/0.6ml<br>4000 mcg/2ml                 | C        |

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|                         |                     |                                    |    |
|-------------------------|---------------------|------------------------------------|----|
| Heparin (sodium)        | Injection           | 1000 IU/ml, 5000 IU/ml in 5ml vial | C  |
| Phytomenadione          | Injection<br>Tablet | 1mg/ml, 10mg/ml in 5ml amp<br>10mg | A  |
| Protamine sulphate      | Injection           | 10mg/ml in 5ml amp                 | C  |
| Recombinant factor VIII | Injection           | 500-1000 U/vial                    | E1 |
| Recombinant factor IX   | Injection           | 500-1000 U/vial                    | E1 |
| Tranexamic acid         | Tablet<br>Injection | 500mg<br>100 mg/ml in 5ml amp.     | A  |
| Warfarin (sodium salt)  | Tablet              | 0.5mg, 1mg, 2mg, 5mg               | C  |

### SECTION 9: BLOOD PRODUCTS AND PLASMA SUBSTITUTES

#### Plasma Substitutes

| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                         | Category |
|------------------------------------|------------------------------------------------|-------------------------|----------|
| Albumin (Human)                    | Injection                                      | 20%, 50 ml, 100 ml vial | E2       |
| Gelatin Infusion                   | Injection                                      | 4%, 500 ml bot          | B        |

### SECTION 10: CARDIOVASCULAR MEDICINES

#### 10.1 Anti-anginal Medicines

| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                                | Category |
|------------------------------------|------------------------------------------------|--------------------------------|----------|
| Carvedilol                         | Oral tablet                                    | 3.125 mg, 6.25mg, 12.5mg, 25mg | C        |
| Glyceryl Trinitrate                | Tablet (sublingual)                            | 300mcg, 500mcg                 | A        |
|                                    | Injection                                      | 5mg/ml                         | C        |
| Metoprolol                         | Oral tablet                                    | 50mg, 100mg                    | A        |
| Isosorbide Dinitrate               | Tablet                                         | 5mg, 10mg                      | A        |
|                                    | (Modified released)                            | 20mg, 25mg, 50mg               |          |
| Isosorbide Mononitrate             | Tablet                                         | 10mg, 20mg                     | A        |
|                                    | (Modified released)                            | 30mg, 60mg                     |          |

#### 10.2 Anti-arrhythmic Medicines

|                            |           |                       |   |
|----------------------------|-----------|-----------------------|---|
| Adenosine                  | Injection | 6mg/2ml               | A |
| Amiodarone (hydrochloride) | Tablet    | 100mg, 200mg          | C |
|                            | Injection | 150mg/3ml amp         |   |
| Atropine                   | Injection | 0.6mg                 | A |
| Digoxin                    | Tablet    | 62.5 mcg, 250 mcg     | D |
|                            | Injection | 250mcg/ml in 2 ml amp |   |



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|                                             |                                          |                                                       |        |
|---------------------------------------------|------------------------------------------|-------------------------------------------------------|--------|
|                                             | Oral Liquid                              | 50mcg/ml                                              |        |
| Flecainide                                  | Tablet                                   | 50mg, 100mg                                           | D      |
| Magnesium sulphate                          | Injection                                | 4 gm/ 20ml                                            | A      |
| Propafenone                                 | Tablet                                   | 150mg, 225mg, 300mg                                   | D      |
| Propranolol                                 | IV                                       | 1mg/ml (1ml/amp)                                      | C      |
|                                             | Oral                                     | 40mg                                                  | A      |
| Sotalol                                     | Tablet                                   | 40mg, 80mg                                            | C      |
| Verapamil (Hydrochloride)                   | Tablet                                   | 40mg, 80mg                                            | A      |
|                                             | Injection                                | 2.5mg/ml in 2ml amp.                                  | C      |
| <b>10.3 Antihypertensives</b>               |                                          |                                                       |        |
| Amlodipine (mesylate)                       | Tablet                                   | 5mg, 10mg                                             | A      |
| Chlorthalidone                              | Tablet                                   | 50mg                                                  | A      |
| Diltiazem                                   | Tablet (modified released)               | 30mg, 60mg                                            | A      |
| Enalapril (maleate)                         | Tablet                                   | 2.5mg, 5mg, 10mg                                      | A      |
| Felodipine                                  | Tablet (retard)                          | 10mg                                                  | D      |
| Hydralazine (hydrochloride)                 | Tablet<br>Injection                      | 25mg, 50mg<br>20mg in amp.                            | A      |
| Indapamide                                  | Tablet                                   | 2.5mg                                                 | A      |
| Labetalol (hydrochloride)                   | Tablet<br>Injection                      | 50mg, 100mg, 200mg<br>100mg/20ml amp.                 | C      |
| Losartan (potassium)                        | Tablet                                   | 25mg, 50mg, 100mg                                     | B      |
| Methyldopa                                  | Tablet                                   | 250mg                                                 | A      |
| Metoprolol (tartrate)                       | Tablet                                   | 50mg, 100mg                                           | A      |
| Nifedipine                                  | Tablet (Retard)<br>Soft Cap (not retard) | 20mg<br>10mg                                          | B<br>C |
| Perindopril                                 | Tablet                                   | 5mg, 10mg                                             | C      |
| Prazosin (hydrochloride)                    | Tablet                                   | 500 mcg, 1mg                                          | B      |
| <b>10.4 Medicines used in heart failure</b> |                                          |                                                       |        |
| Carvedilol                                  | Tablet                                   | 3.125mg, 6.25mg, 12.5mg, 25mg                         | C      |
| Digoxin                                     | Tablet<br>Injection<br>Oral Liquid       | 62.5mcg, 250mcg<br>250mcg/ml in 2 ml amp.<br>50mcg/ml | A      |
| Dobutamine (hydrochloride)                  | Injection                                | 250mg in 20ml vial                                    | B      |
| Dopamine (hydrochloride)                    | Injection                                | 200mg in 5 ml vial                                    | A      |
| Enalapril (maleate)                         | Tablet                                   | 2.5mg, 5mg, 10mg                                      | A      |
| Furosemide                                  | Tablet<br>Injection                      | 40mg<br>10mg/ml in 2ml amp.                           | A      |
| Hydrochlorothiazide                         | Tablet                                   | 25mg, 50mg                                            | A      |
| Metolazone                                  | Tablet                                   | 2.5 mg, 5mg                                           | C      |

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|                                                     |                                    |                                       |   |
|-----------------------------------------------------|------------------------------------|---------------------------------------|---|
| Perindopril                                         | Oral                               | 4mg/5mg                               | C |
| Spironolactone                                      | Tablet                             | 25mg, 50 mg, 100mg                    | A |
| <b>10.5 Medicines used in shock and anaphylaxis</b> |                                    |                                       |   |
| Dopamine (hydrochloride)                            | Injection                          | 200mg in 5 ml vial                    | A |
| Dobutamine (hydrochloride)                          | Injection                          | 250mg in 20ml vial                    | B |
| Epinephrine(hydrogen tartrate)                      | Injection                          | 1:1000, 1:10000 (1mg/ml,0.1mg/ml amp) | A |
| Hydrocortisone                                      | Injection                          | 100mg, 500mg in vial                  | A |
| Norepinephrine                                      | Injection                          | 2mg/ml                                | A |
| <b>10.6 Antithrombotic (Antiplatelet) Medicines</b> |                                    |                                       |   |
| Acetylsalicylic acid                                | Tablet (soluble/dispersible forms) | 75mg, 80mg, 300mg                     | A |
| Clopidogrel (hydrogen sulfate)                      | Tablet                             | 75mg                                  | B |
| Dipyridamole(extended release)                      | Oral Tablet                        | 200mg                                 | D |
| Enoxaparin                                          | Injection SC                       | 40mg, 60mg prefilled syringe          | C |
| Heparin                                             | Injection                          | 1000 U/ml 5cc                         | C |
| Octreotide (as acetate)                             | Injection                          | 25/50/100 ug                          | D |
| Terlipressin acetate                                |                                    | 1mg                                   |   |
| <b>10.7 Fibrinolytic (Thrombolytic) Medicines</b>   |                                    |                                       |   |
| Streptokinase                                       | Injection                          | 750,000 IU, 1,500,000 IU in vial      | A |
| <b>10.8 Lipid Regulating Medicines</b>              |                                    |                                       |   |
| Atorvastatin                                        | Tablet                             | 10mg, 20mg, 40mg                      | D |
| Fenofibrate                                         | Oral capsule                       | 200mg                                 | C |
| Simvastatin                                         | Tablet                             | 10mg, 20mg, 40mg                      | A |

| SECTION 11: DERMATOLOGICAL MEDICINES (TOPICAL) |                                                |                     |          |
|------------------------------------------------|------------------------------------------------|---------------------|----------|
| <b>11.1 Antifungal</b>                         |                                                |                     |          |
| Classification, Generic Name (INN)             | Route of administration, Dosage form, Strength |                     | Category |
| Benzoic acid + Salicylic acid                  | Ointment/Cream                                 | 6% + 3%             | A        |
| Clotrimazole                                   | Cream                                          | 1%, 10%             | A        |
|                                                | Vaginal Pessary                                | 100mg, 200mg, 500mg |          |
| Ketoconazole                                   | Cream                                          | 2%                  | A        |
| Miconazole                                     | Cream                                          | 2%                  | A        |

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|                                                      |                    |                |   |
|------------------------------------------------------|--------------------|----------------|---|
| Nystatin                                             | Ointment/ Cream    | 100,000 Unit/g | A |
| Tolnaftate                                           | Solution/Cream     |                | A |
| <b>11.2 Antibacterial</b>                            |                    |                |   |
| Clindamycin                                          | Gel/ Solution      |                | A |
| Fusidic acid                                         | Cream/ Ointment    |                | B |
| Neomycin (sulfate)                                   | Cream/ Ointment    | 0.5%           | A |
| Povidone - Iodine                                    | Solution/ Cream    | 10 %           | A |
| Potassium permanganate                               | Cream/ Solution    | 0.1%           | A |
| Silver sulfadiazine                                  | Cream              | 1%             | A |
| <b>11.3 Antiviral</b>                                |                    |                |   |
| Acyclovir                                            | Cream              | 5%             | A |
| <b>11.4 Anti-inflammatory/Antipruritic Medicines</b> |                    |                |   |
| Betamethasone (valerate)                             | Ointment/Cream     | 0.1%           | B |
| Calamine Lotion                                      | Lotion             | 15%            | A |
| Clobetasol                                           | Cream              |                | A |
| Fluocinolone acetonide                               | Cream              |                | C |
| Hydrocortisone (acetate)                             | Cream/Ointment     | 0.5 %, 1 %     | A |
| <b>11.5 Keratoplastic/Keratolytic Agents</b>         |                    |                |   |
| Coal tar                                             | Solution/Paste     | 5 %            | A |
| Fluorouracil                                         | Ointment           | 5 %            | C |
| Imiquimod                                            | Cream              |                | D |
| Salicylic acid                                       | Ointment/Paste     | 5%             | A |
| <b>11.6 Scabicides/Pediculicides</b>                 |                    |                |   |
| Benzyl benzoate                                      | Lotion             | 25%            | A |
| Permethrin                                           | Cream/Lotion       | 1%, 5%         | A |
| <b>11.7 Immunomodulators</b>                         |                    |                |   |
| Calcipotriol (Vitamin D analog)                      | Ointment           |                | C |
| Methoxypsoralen                                      | Ointment/ Solution |                | C |
| Tacrolimus /pimecrolimus                             | Ointment           | 0.03 %, 0.1%   | C |

| SECTION 12 : DIAGNOSTIC AGENTS     |                                                |                             |          |
|------------------------------------|------------------------------------------------|-----------------------------|----------|
| <b>Radiographic contrast media</b> |                                                |                             |          |
| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                             | Category |
| Barium sulfate                     | Powder                                         | Tin (5 lbs)                 | A        |
| Gadolinium                         | Injection                                      | 50ml/vial                   | D        |
| Iopamidol                          | Injection                                      | 300mg of iodine/ml (100 ml) | D        |

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| SECTION 13: DISINFECTANTS AND ANTISEPTICS  |                                                |                         |          |
|--------------------------------------------|------------------------------------------------|-------------------------|----------|
| 13.1 Antiseptics                           |                                                |                         |          |
| Classification, Generic Name (INN)         | Route of administration, Dosage form, Strength |                         | Category |
| Chlorhexidine (digluconate)                | Solution                                       | 5% for dilution         | A        |
| Comprox AC + Solution dichlorometaxyleneol | Solution                                       |                         | A        |
| Eusol                                      | Topical                                        |                         | A        |
| Formaldehyde                               | Solution                                       | 36%                     | A        |
| Hydrogen peroxide                          | Solution                                       | 3%                      | A        |
| Hexanios                                   | Solution                                       |                         | D        |
| Methylated spirit                          | Solution                                       | 19:1                    | A        |
| Povidone - Iodine                          | Solution/Paint/Cream                           | 10 %                    | A        |
| 13.2 Disinfectants                         |                                                |                         |          |
| Chlorine based Compound                    | Solution                                       | 0.1% available chlorine | A        |
| Chloroxylenol                              | Solution                                       | 4.8 %                   | A        |
| Glutaraldehyde                             | Solution                                       | 2%                      | A        |

| SECTION 14: DIURETICS              |                                                |                        |          |
|------------------------------------|------------------------------------------------|------------------------|----------|
| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                        | Category |
| Amiloride                          | Tablet                                         | 5mg                    | B        |
| Furosemide                         | Tablet                                         | 40mg                   | A        |
|                                    | Injection                                      | 10mg/ml in 2ml amp.    |          |
| Hydrochlorothiazide                | Tablet                                         | 25mg, 50mg             | A        |
| Spironolactone                     | Tablet                                         | 25mg, 50mg             | A        |
| Mannitol                           | Injection                                      | 10%, 20% in 250ml bot. | A        |
| Metolazone                         | Oral Tablet                                    | 5mg, 10mg              | C        |

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| SECTION 15: GASTROINTESTINAL MEDICINES   |                                                |                           |          |
|------------------------------------------|------------------------------------------------|---------------------------|----------|
| 15.1 Antacids                            |                                                |                           |          |
| Classification, Generic Name (INN)       | Route of administration, Dosage form, Strength |                           | Category |
| Aluminium Hydroxide                      | Tablet                                         | 475mg                     | A        |
|                                          | Oral Liquid                                    | 220mg/5ml, 4% W/V         |          |
| Aluminium hydroxide+ Magnesium hydroxide | Tablet                                         |                           | A        |
| Magnesium hydroxide                      | Tablet                                         | 195mg                     | A        |
| 15.2 Anti-ulcer Medicines                |                                                |                           |          |
| Dimethicone                              | Oral Liquid                                    | 40mg /ml                  | A        |
|                                          | Oral Drops                                     | 20mg/0.3ml                |          |
| Omeprazole                               | Capsule/ Tablet                                | 10mg, 20mg, 40mg          | A        |
|                                          | Injection                                      | 40mg vial                 |          |
| Pantoprazole                             | Tablet                                         | 40mg                      | B        |
|                                          | Injection                                      | 40mg                      |          |
| Ranitidine (hydrochloride)               | Tablet                                         | 150mg, 300mg              | A        |
|                                          | Injection                                      | 50mg/2 ml                 |          |
| 15.3 Anti-emetic Medicines               |                                                |                           |          |
| Cinnarizine (hydrochloride)              | Tablet                                         | 15mg, 20mg, 25mg, 30mg    | B        |
| Dexamethasone                            | Injection (as disodium phosphate salt)         | 4mg/ml in 1ml amp         | C        |
|                                          | Oral liquid:                                   | 0.5mg/5ml; 2mg/5ml,       |          |
|                                          | Solid oral dosage form                         | 0.5mg, 0.75mg, 1.5mg, 4mg |          |
| Domperidone (maleate)                    | Tablet                                         | 10mg                      | A        |
|                                          | Oral Liquid                                    | 5mg/5ml                   |          |
|                                          | Oral Drops                                     | 5mg/ml in 15ml            |          |
| Ondansetron (hydrochloride)              | Tablet                                         | 4mg , 8mg                 | B        |
|                                          | Injection                                      | 4mg/2ml                   |          |
|                                          | Oral Liquid                                    | 4mg/5ml                   |          |
| Prochlorperazine                         | Tablet                                         | 5mg                       | A        |
|                                          | Oral Liquid                                    | 5mg/5ml                   |          |
| 15.4 Antispasmodic                       |                                                |                           |          |
| Drotaverine                              | Oral                                           |                           | A        |
| Hydrocortisone                           | Retention enema suppository (acetate)          | 125mg                     | C        |
| Hyoscine (butyl bromide)                 | Tablet                                         | 10mg                      | A        |

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|                                          |                                       |                            |   |
|------------------------------------------|---------------------------------------|----------------------------|---|
|                                          | Injection                             | 20mg in 1ml amp.           |   |
| Sulfasalazine                            | Retention enema<br>suppository        | 500mg                      | C |
|                                          | Tablet                                | 500mg                      |   |
| 15.5 Laxative/Cathartic                  |                                       |                            |   |
| Bisacodyl                                | Tablet<br>Suppository                 | 5mg<br>5mg, 10mg           | A |
| Glycerin suppository                     | Per rectal(PR)                        |                            | A |
| Lactulose                                | Solution<br>Powder                    | 3.1-3.7g/5ml<br>10g sachet | B |
| Magnesium Hydroxide                      | Tablet                                | 300mg                      | A |
| Magnesium Sulphate                       | Powder/Granules                       |                            | A |
| Poly ethylene glycol powder for solution | Per oral                              | 85mg/bot                   | C |
| Rifaximin                                | Oral                                  | 200mg                      | C |
| 15.6 Medicines used to treat Diarrhoea   |                                       |                            |   |
| Loperamide                               | Oral                                  |                            | B |
| Oral Rehydration Salts                   | Powder (WHO formulation)              |                            | A |
| 15.7 Medicines for diarrhoea in children |                                       |                            |   |
| Zinc sulfate                             | Solid oral dosage form<br>liquid form | 20mg<br>10mg/5ml           | A |

| SECTION 16 : HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES |                                                |                          |          |
|---------------------------------------------------------------------|------------------------------------------------|--------------------------|----------|
| <b>16.1 Adrenal Hormones and Synthetic Substitutes</b>              |                                                |                          |          |
| Classification, Generic Name (INN)                                  | Route of administration, Dosage form, Strength |                          | Category |
| ACTH                                                                | Injection                                      | Inj: 1mg/ml or 0.25mg/ml | E2       |
| Dexamethasone (sodium phosphate)                                    | Tablet                                         | 500 mcg                  | A        |
|                                                                     | Injection                                      | 4mg/ml in 1ml, 2ml amp.  |          |
| Fludrocortisone (acetate)                                           | Tablet                                         | 100 mcrg                 | B        |
| Methylprednisolone                                                  | Tablet                                         | 2mg, 4mg                 | C        |
|                                                                     | Injection                                      | 40mg/ml in 1ml amp       |          |
| Prednisolone                                                        | Tablet                                         | 5mg                      | A        |
| <b>16.2 Androgens</b>                                               |                                                |                          |          |
| Danazol                                                             | Oral capsule                                   | 200mg/capsule            | C        |
| Testosterone ester                                                  | Injection                                      | 250mg in 1ml amp         | C        |

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|                                                                                                                                                                           |               |                                      |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|----|
| <b>16.3 Contraceptives</b>                                                                                                                                                |               |                                      |    |
| <b>Oral Hormonal Contraceptives</b>                                                                                                                                       |               |                                      |    |
| Ethinyl estradiol+ Levonorgestrel                                                                                                                                         | Tablet        | 30mcg + 50-125mcg                    | A  |
| Ethinyl estradiol + Norethisterone                                                                                                                                        | Tablet        | 35mcg + 1mg                          | A  |
| Levonorgestrel                                                                                                                                                            | Tablet        | 30mcg, 1.5mg<br>750mcg (Pack of two) | A  |
| <b>Injectable Hormonal Contraceptives</b>                                                                                                                                 |               |                                      |    |
| Medroxyprogesterone (acetate depot)                                                                                                                                       | Injection     | 150mg/ml in 1ml vial                 | A  |
| Norethisterone enanthate                                                                                                                                                  | Oily solution | 200mg/ml in 1ml amp                  | A  |
| <b>Intrauterine Devices</b>                                                                                                                                               |               |                                      |    |
| Copper Intra-Uterine Device (Cu-IUD)                                                                                                                                      |               |                                      | A  |
| <b>Barrier methods</b>                                                                                                                                                    |               |                                      |    |
| Male Condoms                                                                                                                                                              |               |                                      | A  |
| <b>Implantable Contraceptives</b>                                                                                                                                         |               |                                      |    |
| Levonorgestrel releasing implant                                                                                                                                          |               | 150mg total                          | C  |
| <b>16.4 Estrogens</b>                                                                                                                                                     |               |                                      |    |
| Oestrogen cream                                                                                                                                                           | Topical cream |                                      | E2 |
| <b>16.5 Medicines for ovulation induction</b>                                                                                                                             |               |                                      |    |
| Clomiphene citrate                                                                                                                                                        | Tablet        | 50mg                                 | C  |
| <b>16.6 Progestogens</b>                                                                                                                                                  |               |                                      |    |
| Medroxyprogesterone (acetate)                                                                                                                                             | Tablet        | 5mg                                  | A  |
| <b>16.7 Medicines for Hyperprolactinaemia</b>                                                                                                                             |               |                                      |    |
| Bromocriptine                                                                                                                                                             | Tablet        | 2.5mg                                | C  |
| <b>16.8 Insulins and Other Antidiabetic Agents</b>                                                                                                                        |               |                                      |    |
| Acarbose                                                                                                                                                                  | Oral          | 50mg                                 | C  |
| Glucagon                                                                                                                                                                  | Injection     | 1mg/ml                               | A  |
| Insulin<br>.Short- acting- soluble insulin,<br>.Intermediate - isophane,<br>.Premixed - biphasic insulin,<br>.Long- acting - insulin zinc suspension (mixed, crystalline) | Injection     | 100 IU/ml in 10 ml vial              | A  |
| Insulin Glargine                                                                                                                                                          | Injection     | 100 units /ml,10ml vial              | C  |
| Metformin (hydrochloride)                                                                                                                                                 | Tablet        | 500mg                                | A  |
| Pioglitazone                                                                                                                                                              | Oral          | 15mg/30mg                            | D  |



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|                                                        |        |                      |   |
|--------------------------------------------------------|--------|----------------------|---|
| Repaglinide                                            | Oral   | 500mcg, 1mg          | D |
| <b>16.9 Thyroid Hormones and Antithyroid Medicines</b> |        |                      |   |
| Carbimazole                                            | Tablet | 5mg                  | A |
| Levothyroxine (sodium salt)                            | Tablet | 25mcg, 50mcg, 100mcg | A |
| Propylthiouracil                                       | Tablet | 50mg                 | A |

| SECTIONS 17 : IMMUNOLOGICALS              |                                                |                              |          |
|-------------------------------------------|------------------------------------------------|------------------------------|----------|
| <b>17.1 Sera and Immunoglobulins</b>      |                                                |                              |          |
| Classification, Generic Name (INN)        | Route of administration, Dosage form, Strength |                              | Category |
| Antisnake venom serum (cobra antivenom)   | Injection                                      | 10ml vial for cobra bite     | A        |
| Antisnake venom serum (viper antivenom)   | Injection                                      | 10ml vial for viper bite     | A        |
| Diphtheria Antitoxin                      | Injection                                      | 10,000 IU; 20,000 IU in vial | A        |
| Immunoglobulin                            | Injection                                      | 150-180mg/ml                 | C        |
| Tetanus immunoglobulin (Human origin)     | Injection                                      | 250 IU/2ml                   | B        |
| Rabies immunoglobulin (Human origin)      | Injection                                      | 300 IU/2ml, 750 IU/5ml       | B        |
| Anti-D immunoglobulin                     | Injection                                      | human origin                 | A        |
| Hepatitis B immunoglobulin                | Injection                                      | human origin                 | C        |
| <b>17.2 Vaccines</b>                      |                                                |                              |          |
| <b>For Universal Immunization</b>         |                                                |                              |          |
| BCG vaccine                               | Injection                                      |                              | A        |
| Diphtheria, Pertussis and Tetanus vaccine | Injection                                      |                              | A        |
| Hepatitis B Vaccine                       | Injection                                      |                              | A        |
| HPV vaccination                           | Injection(IM)                                  |                              | A        |
| Measles Vaccine                           | Injection                                      |                              | A        |
| DPT+ Hep B+ Hib Vaccine                   | Injection(IM)                                  | 0.5ml                        | A        |
| Poliomyelitis Vaccine                     | Oral Liquid                                    |                              | A        |
| Tetanus Vaccine                           | Injection                                      |                              | A        |
| <b>For specific groups of individuals</b> |                                                |                              |          |
| Cholera vaccine                           | Oral                                           |                              | C        |
| Haemophilus Influenzae B Vaccine (HIB)    | Injection                                      |                              | A        |



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|                                                    |                                                        |                                       |        |
|----------------------------------------------------|--------------------------------------------------------|---------------------------------------|--------|
| Hepatitis A vaccine                                |                                                        |                                       | C      |
| Human Papilloma Virus Bivalent Vaccine             | Injection                                              |                                       | E1     |
| Japanese Encephalitis Vaccine                      | Injection (Inactivated)<br>Injection (Live attenuated) |                                       | A<br>B |
| Measles/Mumps/Rubella Vaccine (MMR)                | Injection                                              |                                       | A      |
| Meningococcal Vaccine                              | Injection                                              |                                       | C      |
| Pneumococcal vaccine                               | IM/SC                                                  | 0.5ml                                 | A      |
| Rabies Vaccine                                     | Injection                                              |                                       | A      |
| Rotavirus vaccine                                  | Oral                                                   |                                       | A      |
| Typhoid, Paratyphoid A & B Vaccine with Vi antigen | Injection                                              |                                       | A      |
| Varicella vaccine                                  |                                                        |                                       | E1     |
| Yellow-Fever Vaccine                               | Injection                                              |                                       | C      |
| <b>17.3 Immunosuppressants</b>                     |                                                        |                                       |        |
| Ciclosporin                                        | Capsule<br>Injection                                   | 25mg<br>50mg/ml in 1ml amp.           | C      |
| Cyclophosphamide                                   | Tablet<br>Injection                                    | 50mg<br>100mg, 200mg<br>500mg, 1000mg | C      |
| Methylprednisolone                                 | Tablet<br>Injection                                    | 2mg, 4mg<br>40mg/ml in 1ml amp        | C      |
| Mycophenolate mofetil                              | Oral<br>Injection                                      | 500mg<br>1000mg                       | D      |
| Prednisolone                                       | Tablet                                                 | 5mg                                   | A      |

## SECTION 18: MUSCLE RELAXANTS (PERIPHERALLY ACTING) AND ANTICHOLINESTERASE INHIBITORS

| Classification, Generic Name (INN) | Route of administration Dosage form, Strength |                      | Category |
|------------------------------------|-----------------------------------------------|----------------------|----------|
| Atracurium                         | Injection                                     | 10mg/ml              | C        |
| Baclofen                           | PO Tablet                                     | 10mg/tab             | B        |
| Cisatracurium                      |                                               | 2mg/ml ,10ml vial    | C        |
| Neostigmine (metilsulfate)         | Injection                                     | 2.5mg/ml in 1 ml amp | B        |
| Suxamethonium chloride             | Injection                                     | 50mg/ml              | C        |
| Vecuronium bromide                 | Injection                                     | 10mg/vial            | C        |

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| SECTION 19 : OPHTHALMOLOGICAL PREPARATION |                                                |                |          |
|-------------------------------------------|------------------------------------------------|----------------|----------|
| 19.1 Anti-infective Agents                |                                                |                |          |
| Classification, Generic Name (INN)        | Route of administration, Dosage form, Strength |                | Category |
| Acyclovir                                 | Ointment<br>Eye drop                           | 3 % W/W<br>1 % | D        |
| Chloramphenicol                           | Eye Drops<br>Eye Ointment                      | 0.5%<br>1%     | A        |
| Clotrimazole                              | Eye Drops                                      | 1%             | B        |
| Framycetin (Sulfate)                      | Eye Drops                                      | 0.5 %          | A        |
| Ganciclovir                               | Ophthalmic gel                                 | 0.15 %         | D        |
| Gentamicin (Sulfate)                      | Eye Drops                                      | 0.3 %          | C        |
| Moxifloxacin                              | Eye drops                                      | 0.5 %          | D        |
| Netilmicin                                | Eye drops                                      |                | D        |
| Tetracycline (hydrochloride)              | Eye Ointment                                   | 1 %            | A        |
| Voriconazole                              | Eye drops                                      |                | D        |
| 19.2 Miotics and Antiglaucoma agents      |                                                |                |          |
| Acetazolamide                             | Tablet                                         | 250mg          | A        |
| Brimonidine                               | Eye drops                                      | 0.2 %          | C        |
| Pilocarpine (hydrochloride or nitrate)    | Eye Drops                                      | 2%, 4%         | A        |
| Timolol (maleate)                         | Eye Drops                                      | 0.25%, 0.5%    | A        |
| Travoprost                                | Eye drops                                      | 40 ug/ml       | D        |
| 19.3 Mydriatics                           |                                                |                |          |
| Atropine                                  | Eye Drops                                      | 1%             | C        |
| Tropicamide                               | Eye Drops                                      | 0.5%, 1%       | C        |
| 19.4 For allergic conjunctivitis          |                                                |                |          |
| Sodium chromoglycate                      | Eye Drops                                      | 2 %            | C        |
| 19.5 Anti-inflammatory agents             |                                                |                |          |
| Dexamethasone                             | Eye drops                                      |                | C        |
| Flumethasone                              | Eye drops                                      | 0.02%          | D        |
| Fluorometholone                           | Eye drops                                      |                | D        |
| Loteprednol etabonate                     | Eye drops                                      | 0.5%           | D        |
| Prednisolone (Sodium phosphate)           | Eye Drops                                      | 0.5%           | C        |
| 19.6 Local anaesthetics                   |                                                |                |          |
| Tetracaine (hydrochloride)                | Eye Drops                                      | 0.5%           | D        |

| SECTION 20 : OXYTOCICS AND MYOMETRIAL RELAXANTS |                                                |                             |          |
|-------------------------------------------------|------------------------------------------------|-----------------------------|----------|
| 20.1 Oxytocics                                  |                                                |                             |          |
| Classification, Generic Name (INN)              | Route of administration, Dosage form, Strength |                             | Category |
| Ergometrine (hydrogen maleate)                  | Tablet<br>Injection                            | 500mcg<br>200mcg in 1ml amp | A        |
| Misoprostol                                     | Tablet<br>Pessary                              | 200mcg<br>25mcg             | A        |
| Oxytocin                                        | Injection                                      | 10 IU in 1ml amp            | A        |
| 20.2 Myometrial Relaxants (Antioxytocics)       |                                                |                             |          |
| Nifedipine                                      | Immediate released capsule                     | 10mg                        | C        |

| SECTION 21 : PSYCHOTHERAPEUTIC MEDICINES   |                                                |                                                           |          |
|--------------------------------------------|------------------------------------------------|-----------------------------------------------------------|----------|
| 21.1 Medicines used in Psychotic Disorders |                                                |                                                           |          |
| Classification, Generic Name (INN)         | Route of administration, Dosage form, Strength |                                                           | Category |
| Chlorpromazine (hydrochloride)             | Tablet<br>Injection<br>Oral Liquid             | 25mg, 50mg, 100mg<br>25mg/ml in 1ml, 2ml amp.<br>25mg/5ml | A        |
| Haloperidol                                | Tablet<br>Injection<br>Oral Liquid             | 1.5mg, 5mg, 10mg<br>5mg/ml in 1ml amp.<br>1mg, 2mg/ml     | A        |
| Methylphenidate                            | Oral                                           | 10mg tablet                                               | C        |
| Olanzapine                                 | Tablet<br>Injection(depot)                     | 5mg, 10mg<br>10mg                                         | C        |
| Risperidone (hydrochloride)                | Tablet                                         | 1mg ,2mg                                                  | C        |
| 21.2 Medicines used in mood disorders      |                                                |                                                           |          |
| 21.2.1 Medicines for Depression            |                                                |                                                           |          |
| Amitriptyline (Hydrochloride)              | Tablet                                         | 25mg, 50mg                                                | A        |
| Escitalopram                               | Tablet                                         | 5mg,10mg                                                  | D        |
| Fluoxetine (hydrochloride)                 | Capsule<br>Oral Liquid                         | 10mg, 20mg<br>20mg/5ml                                    | A        |
| 21.2.2 Medicines for bipolar disorders     |                                                |                                                           |          |
| Lithium carbonate                          | Tablet                                         | 300mg                                                     | A        |
| Valproic acid (sodium valproate)           | Tablet<br>Injection                            | 200mg, 500mg<br>400mg/4ml                                 | A        |

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| 21.3 Medicines used for sedation and generalized anxiety disorders       |             |                                         |    |
|--------------------------------------------------------------------------|-------------|-----------------------------------------|----|
| Alprazolam                                                               | Tablet      | 0.25mg, 0.5mg, 1mg                      | D  |
| Clonazepam                                                               | Tablet      | 1mg                                     | B  |
| Diazepam                                                                 | Tablet      | 5mg, 10mg                               | A  |
|                                                                          | Injection   | 5mg/ml in 2ml amp.                      |    |
|                                                                          | Per rectal  | 2.5mg, 5mg, 10mg<br>20mg in rectal tube |    |
| Lorazepam                                                                | Tablet      | 1mg, 2mg                                | A  |
| 21.4 Medicines used for obsessive compulsive disorders and panic attacks |             |                                         |    |
| Clomipramine (hydrochloride)                                             | Capsule     | 10mg, 25mg                              | C  |
| 21.5 Medicines used in opiate dependence programmes                      |             |                                         |    |
| Methadone                                                                | Oral Liquid | 5mg/5ml, 10mg/5ml                       | D  |
| Tincture Opium                                                           | Oral Liquid | Morphine 1%                             | E2 |

| SECTION 22 : MEDICINES ACTING ON THE RESPIRATORY TRACT            |                                                |                                     |          |
|-------------------------------------------------------------------|------------------------------------------------|-------------------------------------|----------|
| 22.1 Anti-asthmatic Medicines                                     |                                                |                                     |          |
| Classification, Generic Name (INN)                                | Route of administration, Dosage form, Strength |                                     | Category |
| Aminophylline                                                     | Injection<br>Tablet                            | 25mg/ml in 10ml amp<br>100mg        | A        |
| Bambuterol                                                        | Oral                                           | 10mg                                | B        |
| Beclomethasone (dipropionate)                                     | Inhalation(aerosol)                            | 100mcg, 200mcg metered dose         | A        |
| Budesonide(dipropionate)                                          | Inhalation (aerosol)                           | 100mcg per dose;<br>200mcg per dose | A        |
| Epinephrine (adrenaline) (as hydrochloride or hydrogen tartrate ) | Injection                                      | 1mg in 1ml ampoule                  | B        |
| Fluticasone propionate                                            | Inhalation                                     | 50mcg/ metered dose                 | A        |
| Fluticasone propionate and salmeterol combination                 | Inhalation                                     | 50 /25 /250/ 25 per metered dose    | C        |
| Hydrocortisone                                                    | Injection                                      | 100mg, 500mg vial                   | A        |
| Ipratropium bromide                                               | Inhalation (nebulizer solution)                | 250mcg/ml                           | A        |
| Montelukast                                                       | Tablet                                         | 5mg,10mg                            | C        |
| Prednisolone                                                      | Tablet                                         | 5mg                                 | A        |

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|                                         |                                                                                      |                                                                                                            |   |
|-----------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---|
| Salbutamol (Sulfate)                    | Tablet<br>Injection<br><br>Oral Liquid<br>Inhalation (aerosol)<br>Nebulizer solution | 2mg, 4mg<br>50mcg/ml in 5ml amp and<br>500mcg in 1ml amp<br>2mg/5ml<br>100mcg metered dose<br>2.5mg/ 2.5ml | A |
| Theophylline                            | Tablet                                                                               | 150mg, 200mg,300mg                                                                                         | A |
| Tiotropium bromide                      | Inhaler                                                                              | 2.5 mcg                                                                                                    | B |
| <b>22.2 Antitussives and mucolytics</b> |                                                                                      |                                                                                                            |   |
| Benzoin Tincture                        | Solution for inhalation                                                              | 4.5%                                                                                                       | A |
| Carbocysteine                           | Tablet/Capsule<br>Oral Liquid                                                        | 375mg<br>125mg,250mg/5ml                                                                                   | A |
| Dextromethorphan                        | Tablet                                                                               | 10mg                                                                                                       | A |
| Diphenhydramine (hydrochloride)         | Tablet/Capsule<br>Oral Liquid                                                        | 25mg<br>12.5mg, 25mg/5ml                                                                                   | A |
| <b>22.3 Respiratory stimulants</b>      |                                                                                      |                                                                                                            |   |
| Nikethamide                             | Injection                                                                            | 500mg/2ml                                                                                                  | C |

| SECTION 23 : SOLUTION CORRECTING WATER, ELECTROLYTES AND ACID BASE BALANCE |                                                |                                                                                                                      |          |
|----------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>23.1 Oral</b>                                                           |                                                |                                                                                                                      |          |
| Classification, Generic Name (INN)                                         | Route of administration, Dosage form, Strength |                                                                                                                      | Category |
| Magnesium oxide                                                            | Tablet                                         | 300mg                                                                                                                | C        |
| Oral Rehydration Salts                                                     | Powder                                         | WHO formulation                                                                                                      | A        |
| Potassium chloride                                                         | Tablet                                         | 300mg, 600mg                                                                                                         | A        |
| Sodium chloride                                                            | Tablet                                         | 300mg                                                                                                                | A        |
| <b>23.2 Parenteral</b>                                                     |                                                |                                                                                                                      |          |
| Dextrose                                                                   | Infusion<br>Injection                          | 5%, 10%, 20%, 50%<br>25%, 50%                                                                                        | A        |
| Dextrose and sodium chloride                                               | Infusion                                       | dextrose 4% and sodium chloride 0.18%, dextrose 2.5% and sodium chloride 0.45%, dextrose 5% and sodium chloride 0.9% | A        |
| Physiological Saline                                                       | Injectable Solution                            | 0.9% sodium chloride                                                                                                 | A        |
| Potassium chloride                                                         | Injection                                      | 10g,15g/10ml                                                                                                         | A        |
| Ringer Lactate                                                             | Injectable Solution                            | Compound Sodium Lactate                                                                                              | A        |
| Saline                                                                     | IV infusion                                    | 0.45%                                                                                                                | A        |

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|                                                |                       |                                                    |   |
|------------------------------------------------|-----------------------|----------------------------------------------------|---|
| Sodium Bicarbonate                             | Injectable Solution   | 8.4% in 10ml, 20ml, 50 ml amp<br>1.26% in infusion | A |
| 3 % Sodium chloride                            | Intravenous injection | 3g/100ml                                           | C |
| Water for injection                            | Injection             | 2ml, 5ml, 10ml amp                                 | A |
| <b>23.3 Medicines for Parenteral Nutrition</b> |                       |                                                    |   |
| Amino acid solution                            | IV infusion           | 5 %, 7 %                                           | C |
| Lipid Solution                                 | Infusion              | 10%, 20%                                           | C |
| Total parenteral nutrition                     | IV infusion           |                                                    | C |

| SECTION-24 : VITAMINS AND MINERALS    |                                                                          |                                                                                                   |          |
|---------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------|
| Classification, Generic Name (INN)    | Route of administration, Dosage form, Strength                           |                                                                                                   | Category |
| Alfacalcidol (Hydroxycholecalciferol) | Injection<br>Capsule                                                     | 1mg/0.5ml amp.<br>250, 500 nano gram                                                              | C        |
| Ascorbic acid                         | Tablet<br>Injection<br>Oral Liquid                                       | 50mg, 100mg, 500mg<br>100mg/2ml<br>100mg/5ml                                                      | A<br>B   |
| Calcium Gluconate                     | Tablet<br>Injection                                                      | 600mg<br>100mg/ml in 10 ml amp.                                                                   | A        |
| Ergocalciferol                        | Capsule/Tablet<br>Oral Liquid                                            | 1.25mg (50,000 IU)<br>250mcg/ml (10,000 IU/ml)                                                    | A        |
| Hydroxocobalamin                      | Injection                                                                | 100mcg/ml, 1000mcg/ml                                                                             | A        |
| Multivitamin and Mineral preparation  | Tablet/Capsule                                                           | recommended daily allowance dose                                                                  | A        |
| Magnesium sulphate                    | Injection                                                                | 4g/20ml                                                                                           | A        |
| Nicotinamide                          | Tablet                                                                   | 50mg                                                                                              | B        |
| Potassium chloride                    | Tablet<br>Injection                                                      | 300, 600mg<br>10g, 15g/10ml                                                                       | A        |
| Pyridoxine (hydrochloride)            | Tablet                                                                   | 50mg                                                                                              | A        |
| Retinol (palmitate)                   | Tablet/Capsule<br><br>Oral oily solution<br><br>Water-miscible Injection | 10,000IU, 5.5mg<br>200,000IU, 110mg<br>100,000 IU/ml in Multi dose<br>100,000 IU 55mg in 2 ml amp | A        |
| Riboflavin                            | Tablet<br>Injection                                                      | 5mg<br>5mg/ml in 2ml amp                                                                          | A        |
| Sodium Fluoride                       | Tablet<br>Tooth Paste                                                    | 1.1mg, 2.2mg<br>0.61gm%                                                                           | A        |
| Thiamine (hydrochloride)              | Tablet<br>Injection                                                      | 50mg<br>100mg/ml, 250mg                                                                           | A<br>B   |

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|                   |                    |                                   |   |
|-------------------|--------------------|-----------------------------------|---|
| Vitamin B complex | Tablet/Oral Liquid | recommended daily allowances dose | A |
| Vitamin K-1       | Injection          | 10mg/ml                           | A |

### SECTION-25: MEDICINES USED IN CANCER CHEMOTHERAPY

#### 25.1 Alkylating agents

| Classification, Generic Name (INN) | Route of administration, Dosage form, Strength |                               | Category |
|------------------------------------|------------------------------------------------|-------------------------------|----------|
| Bendamustine                       | Injection                                      | 25mg, 100mg vial              | D        |
| Busulfan                           | Oral                                           | 2mg tablet                    | C        |
|                                    | Injection                                      | 6mg/ ml, 10ml vial            |          |
| Chlorambucil                       | Tablet                                         | 2mg, 5mg                      | C        |
| Cisplatin                          | Injection                                      | 10mg/ml                       | C        |
|                                    |                                                | 10mg-50mg                     |          |
| Carboplatin                        | Injection                                      | 50mg, 150mg, 450mg            | C        |
| Cyclophosphamide                   | Tablet                                         | 50mg                          | C        |
|                                    | Injection                                      | 100mg, 200mg<br>500mg, 1000mg |          |
| Dacarbazine (DTIC)                 | Injection                                      | 100mg, 200mg, 500mg           | C        |
| Ifosfamide                         | Injection                                      | 500mg, 1000mg                 | D        |
|                                    | Lyophilized Powder                             | 3000mg                        |          |
| Melfalan                           | Oral tablet                                    | 2mg                           | C        |
|                                    | Injection                                      | 50mg vial                     |          |
| Oxaliplatin                        | Injection                                      | 50mg, 100mg                   | D        |
|                                    | Lyophilized powder                             | 50mg/200mg                    |          |

#### 25.2 Antimetabolites

|                  |                        |                                             |   |
|------------------|------------------------|---------------------------------------------|---|
| Capecitabine     | Injection              | 500mg, 150mg                                | D |
| Cytarabine       | Powder for injection   | 100mg in vial                               | C |
| Fludarabine      | Oral tablet            | 10mg                                        | D |
|                  | Injection              | 50mg vial                                   |   |
| Gemcitabine      | Injection              | 1mg                                         | D |
| Hydroxycarbamide | Solid oral dosage form | 200mg, 250mg, 300mg,<br>400mg, 500mg, 1g    | C |
| Methotrexate     | Tablet                 | 2.5mg, 5mg                                  | C |
|                  | Injection              | 10mg/ml, 50mg/5ml<br>500mg/5ml, 1000mg/10ml |   |
| Thioguanine      | Solid oral dosage form | 40mg                                        | D |
|                  |                        |                                             |   |
| 5-Fluorouracil   | Injection              | 250mg, 500mg                                | C |
| 6-Mercaptopurine | Tablet                 | 50mg                                        | C |



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| 25.3 Natural products                 |                              |                                                                   |   |
|---------------------------------------|------------------------------|-------------------------------------------------------------------|---|
| Docetaxel                             | Injection                    | 20mg/ml<br>40mg/ml                                                | D |
| Etoposide                             | Injection                    | 50mg, 100mg                                                       | C |
| Irinotecan                            | Injection                    | 40mg, 100mg                                                       | D |
| Paclitaxel                            | Powder for injection         | 6mg/ml                                                            | D |
| Vinblastine                           | Injection                    | 10mg                                                              | C |
| Vincristine                           | Injection                    | 1mg, 2mg                                                          | C |
| Vinorelbine                           | Oral capsule                 | 30mg                                                              | D |
| 25.4 Antitumor antibiotics            |                              |                                                                   |   |
| Bleomycin C (lyophilized powder)      | Injection                    | 15 unit vial                                                      | C |
| Dactinomycin                          | Injection                    | 500 mcg                                                           | C |
| Daunorubicin                          | Injection                    | 50mg                                                              | C |
| Doxorubicin                           | Injection                    | 10mg, 50mg                                                        | C |
| Epirubicin                            | Injection                    | 50mg, 10mg<br>50mg/200mg                                          | D |
| Idarubicin                            | Capsule<br>Injection         | 5mg, 10mg<br>5mg, 10mg vial                                       | D |
| Mitomycin – C                         | Injection                    | 2mg, 10mg                                                         | D |
| Mitoxantrone                          | Injection                    | 2mg/ml, 10ml vial                                                 | D |
| 25.5 Hormones and hormones inhibitors |                              |                                                                   |   |
| Anastrozole                           | Tablet                       | 1mg                                                               | D |
| Bromocriptine                         | Tablet                       | 2.5mg                                                             | C |
| Flutamide                             | Tablet                       | 250mg                                                             | D |
| Letrozole                             | Oral Tablet                  | 2.5mg                                                             | D |
| Leuprolide acetate (Lupron-Depot)     | Injection                    | 3.75mg                                                            | D |
| Tamoxifen                             | Tablet                       | 10mg, 20mg                                                        | C |
| 25.6 Miscellaneous anticancer agents  |                              |                                                                   |   |
| Arsenic trioxide                      | Injection<br>IV infusion     | 1mg/ml<br>10ml ampoule, vial                                      | D |
| Asparaginase (Lyophilized powder)     | Injection                    | 10,000 IU in vial                                                 | C |
| Bevacizumab                           | Injection                    | 100mg                                                             | D |
| Bortezomib                            | Injection                    | 2mg, 3.5mg vial                                                   | D |
| Dasatinib                             | Oral tablet                  | 100mg tablet                                                      | D |
| Dexamethasone                         | Injection<br><br>Oral liquid | 4mg/4ml in 1ml ampoule<br>(as disodium phosphate salt)<br>2mg/5ml | A |



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|                                    |                          |                                                                                                                                      |    |
|------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----|
| Imatinib                           | Oral tablet              | 100mg,400mg                                                                                                                          | D  |
| Lenalidomide                       | Oral /Capsule            | 5mg,15mg,25mg                                                                                                                        | D  |
| Methylprednisolone                 | Injection                | 40mg/ml (as sodium succinate) in 1ml single dose vial and 5ml multidose vials; 80mg/ml (as sodium succinate) in 1ml single dose vial | C  |
| Prednisolone                       | Oral liquid<br>Tablet    | 5mg/ml<br>5mg,25mg                                                                                                                   | A  |
| Procarbazine                       | Capsule                  | 50mg                                                                                                                                 | C  |
| Rituximab                          | Injection<br>IV infusion | 100mg, 500mg<br>10mg/ml, 10ml, 50ml vials                                                                                            | D  |
| Sorafenib                          | Tablet                   | 200mg                                                                                                                                | D  |
| Thalidomide                        | Oral                     | 50mg,100mg capsule                                                                                                                   | D  |
| Trastuzumab (Herceptin)            | IV infusion              | 150mg,440mg                                                                                                                          | D  |
| Tretinoin /all trans retinoic acid | Oral                     | 10mg capsule                                                                                                                         | D  |
| <b>25.7 Adjunctive agents</b>      |                          |                                                                                                                                      |    |
| Antithymocyte globulin             | Injection IV infusion    | 25mg vial                                                                                                                            | D  |
| Deferasirox                        | Oral                     | 250mg, 500mg tablet                                                                                                                  | C  |
| Deferiprone                        | Oral                     | 250mg, 500mg capsule                                                                                                                 | D  |
| Desferrioxamine mesylate           | Injection                | 500mg, 2g vial                                                                                                                       | C  |
| Eltrombopag                        | Oral tablet              | 25mg,50mg                                                                                                                            | D  |
| Erythropoietin (Epoetin)           | Injection                | 40000 IU/ml vial<br>10000 IU prefilled syringe                                                                                       | E2 |
| Filgrastim                         | SC Injection             | 300mcg                                                                                                                               | D  |
| Folinic acid                       | Oral tablet<br>Injection | 15mg<br>50mg/ml,2ml,8ml, 18ml                                                                                                        | C  |
| Hydrocortisone                     | Powder for injection     | 100mg (as sodium succinate) in vial                                                                                                  | A  |
| Mesna                              | Injection<br><br>Tablet  | 100mg/ml in 4ml and 10ml ampoules<br>400mg,600mg                                                                                     | D  |
| Mycophenolate mofetil              | Oral tablet<br>Injection | 180mg,360mg<br>500mg vial                                                                                                            | D  |
| Normal immunoglobulin              | Injection/ IV Infusion   | 2.5g,5g,10g vial                                                                                                                     | C  |
| Pamidronate                        | Injection                | 30mg,60mg                                                                                                                            | D  |
| Rasburicase                        | Injection/ IV infusion   | 1.5mg vial                                                                                                                           | D  |
| Tacrolimus                         | Oral                     | 200mcg,1mg, sachets                                                                                                                  | D  |
| Zoledronic -1A                     | IV infusion              | 4mg                                                                                                                                  | D  |

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| SECTION 26 : OTORHINOLARYNGOLOGICAL PREPARATION                    |                                                |                               |          |
|--------------------------------------------------------------------|------------------------------------------------|-------------------------------|----------|
| 26.1 Anti-infective agents                                         |                                                |                               |          |
| Classification, Generic Name (INN)                                 | Route of administration, Dosage form, Strength |                               | Category |
| Boric acid/ Spirit                                                 | Solution                                       | 2%                            | A        |
| Chlorhexidine + Neomycin                                           | Cream                                          | 0.1%                          | C        |
| Polymyxin + Bacitracin + Neomycin                                  | Ointment Powder                                | 5,000 units + 400units + 5%   | C        |
| 26.2 Anti-infective agent and corticosteroid combined preparations |                                                |                               |          |
| Betamethasone+ Neomycin                                            | Ear Drops                                      |                               | A        |
| Clotrimazole                                                       | Ear Drop solution                              |                               | B        |
| Fluticasone                                                        | Ear Drops                                      |                               | D        |
| Mometasone                                                         | Ear Drops                                      |                               | D        |
| Polymixin B+ Neomycin                                              | Ear Drops                                      | 10,000 units+ 3,400 units+ 1% | C        |
| 26.3 Topical and Systemic Nasal Decongestants                      |                                                |                               |          |
| Oxymetazoline (hydrochloride)                                      | Nasal Drops/ Spray                             | 0.05%, 0.025%                 | C        |
| 26.4 Ear wax softening agents                                      |                                                |                               |          |
| Sodium bicarbonate /glycerin                                       | Ear Drops                                      | 5%, 10%                       | A        |
| 26.5 Cavities packing agents                                       |                                                |                               |          |
| Bismuth subnitrate and iodoform                                    | Paste                                          | 30g/sachet                    | C        |

| SECTION 27: MEDICINES FOR UROLOGICAL SYSTEM |                                                |     |          |
|---------------------------------------------|------------------------------------------------|-----|----------|
| 27.1 For Alkalinization of Urine            |                                                |     |          |
| Classification, Generic Name (INN)          | Route of administration, Dosage form, Strength |     | Category |
| Potassium citrate                           | Oral Liquid                                    | 30% | A        |
| 27.2 Medicines for BPH                      |                                                |     |          |
| Finasteride                                 | Tablet                                         | 5mg | D        |

## ANNEXES

### TOTAL ITEMS (486) IN NLEM (2016)

| NO  | ITEMS                                     | CATEGORIES |
|-----|-------------------------------------------|------------|
| 1.  | 4FDC                                      | B          |
| 2.  | Abacavir                                  | E1         |
| 3.  | Abacavir + Lamivudine                     | E1         |
| 4.  | ACTH                                      | E2         |
| 5.  | Acarbose                                  | C          |
| 6.  | Acetazolamide                             | A          |
| 7.  | Acetylcysteine                            | A          |
| 8.  | Acetylsalicylic Acid                      | C, A       |
| 9.  | Acyclovir                                 | A, D       |
| 10. | Adenosine                                 | A          |
| 11. | Albendazole                               | A          |
| 12. | Albumin (Human)                           | E2         |
| 13. | Alfacalcidol (1 & Hydroxycholecalciferol) | C          |
| 14. | Allopurinol                               | A          |
| 15. | Alprazolam                                | D          |
| 16. | Aluminium Hydroxide                       | A          |
| 17. | Aluminium Hydroxide + Magnesium Hydroxide | A          |
| 18. | Amikacin                                  | B, C, E1   |
| 19. | Amiloride                                 | B          |

| NO  | ITEMS                                   | CATEGORIES |
|-----|-----------------------------------------|------------|
| 20. | Amino acid solution                     | C          |
| 21. | Aminophylline                           | A          |
| 22. | Amiodarone                              | C          |
| 23. | Amitriptyline (hydrochloride)           | A          |
| 24. | Amlodipine                              | A          |
| 25. | Amoxicillin                             | A          |
| 26. | Amoxicillin + Clavulanic acid           | A          |
| 27. | Amphotericin-B                          | C          |
| 28. | Ampicillin                              | A, C       |
| 29. | Anti-D Immunoglobulin                   | A          |
| 30. | Anastrozole                             | D          |
| 31. | Antisnake Venom Serum (Cobra Antivenom) | A          |
| 32. | Antisnake Venom Serum (Viper Antivenom) | A          |
| 33. | Antithymocyte globulin                  | D          |
| 34. | Arsenic trioxide                        | D          |
| 35. | Artemether                              | E1         |
| 36. | Artemether + Lumefantrine               | E1         |
| 37. | Artesunate                              | C, E1      |
| 38. | Ascorbic acid                           | A, B       |
| 39. | Asparaginase                            | C          |
| 40. | Atazanavir boosted Lopinavir            | E1         |
| 41. | Atorvastatin                            | D          |
| 42. | Atovaquone + Proguanil                  | E1         |
| 43. | Atracurium                              | C          |

| NO  | ITEMS                           | CATEGORIES |
|-----|---------------------------------|------------|
| 44. | Atropine (Sulphate)             | A, C       |
| 45. | Azithromycin                    | C          |
| 46. | Baclofen                        | B          |
| 47. | Bambuterol                      | B          |
| 48. | Barium sulphate                 | A          |
| 49. | BCG Vaccine                     | A          |
| 50. | Beclomethasone (dipropionate)   | A          |
| 51. | Bendamustine                    | D          |
| 52. | Benzathine pencillin            | A          |
| 53. | Benzhexol                       | A          |
| 54. | Benzoic acid + Salicylic acid   | A          |
| 55. | Benzoin Tincture                | A          |
| 56. | Benzyl benzoate                 | A          |
| 57. | Benzyl penicillin G             | A          |
| 58. | Betamethasone (valerate)        | B          |
| 59. | Betamethasone + Neomycin        | A          |
| 60. | Bevacizumab                     | D          |
| 61. | Bisacodyl                       | A          |
| 62. | Bismuth subnitrate and iodoform | C          |
| 63. | Bleomycin-C                     | C          |
| 64. | Boric acid / Spirit             | A          |
| 65. | Bortezomib                      | D          |
| 66. | Brimonidine                     | C          |
| 67. | Bromocriptine                   | C          |

| NO  | ITEMS                       | CATEGORIES |
|-----|-----------------------------|------------|
| 68. | Budesonide inhaler          | A          |
| 69. | Bupivacaine (Hydrochloride) | A          |
| 70. | Busulfan                    | C          |
| 71. | Calamine                    | A          |
| 72. | Calcipotriol ointment       | C          |
| 73. | Calcium gluconate           | A          |
| 74. | Capreomycin                 | E1         |
| 75. | Carbamazepine               | A          |
| 76. | Carbimazole                 | A          |
| 77. | Carbocysteine               | A          |
| 78. | Carboplatin                 | C          |
| 79. | Carvedilol                  | C          |
| 80. | Caspofungin                 | D, E2      |
| 81. | Cefaclor                    | C          |
| 82. | Cefazolin                   | C          |
| 83. | Cefixime                    | C, D       |
| 84. | Cefotaxime                  | B, C       |
| 85. | Cefoperazone + Sulbactam    | D          |
| 86. | Ceftazidime                 | C          |
| 87. | Ceftriaxone                 | C, E1      |
| 88. | Cefuroxime                  | B          |
| 89. | Cephalexin                  | A          |
| 90. | Cetirizine                  | A          |
| 91. | Charcoal                    | A          |

| NO   | ITEMS                              | CATEGORIES |
|------|------------------------------------|------------|
| 92.  | Chlorambucil                       | C          |
| 93.  | Chloramphenicol                    | A, C       |
| 94.  | Chlorhexidine (Digluconate) (7.5%) | A          |
| 95.  | Chlorhexidine + Neomycin           | C          |
| 96.  | Chlorine based compound            | A          |
| 97.  | Chloroquine                        | A, B, E1   |
| 98.  | Chloroxylenol                      | A          |
| 99.  | Chlorpheniramine                   | A          |
| 100. | Chlorpromazine (Hydrochloride)     | A          |
| 101. | Chlorthalidone                     | A          |
| 102. | Cholera vaccine                    | C          |
| 103. | Ciclosporin                        | C          |
| 104. | Cinnarizine (Hydrochloride)        | B          |
| 105. | Ciprofloxacin                      | D          |
| 106. | Cisatracurium                      | C          |
| 107. | Cisplatin                          | C          |
| 108. | Clarithromycin                     | D          |
| 109. | Clindamycin                        | B, A       |
| 110. | Clobetasol                         | A          |
| 111. | Clofazimine                        | A, E1      |
| 112. | Clomiphene citrate                 | C          |
| 113. | Clomipramine (Hydrochloride)       | C          |
| 114. | Clonazepam                         | B          |
| 115. | Clopidogrel (Hydrogen sulphate)    | B          |

| NO   | ITEMS                                     | CATEGORIES |
|------|-------------------------------------------|------------|
| 116. | Clotrimazole                              | A, B       |
| 117. | Cloxacillin                               | A          |
| 118. | Coal tar                                  | A          |
| 119. | Codeine phosphate                         | C          |
| 120. | Colchicine                                | A          |
| 121. | Comprox AC+ Solution dichlorometaxyleneol | A          |
| 122. | Condoms                                   | A          |
| 123. | Copper Intra-Uterine Device (Cu-IUD)      | A          |
| 124. | Co-trimoxazole                            | A          |
| 125. | Capecitabine                              | D          |
| 126. | Cyclophosphamide                          | C          |
| 127. | Cycloserine                               | C          |
| 128. | Cytarabine                                | C          |
| 129. | Dacarbazine                               | C          |
| 130. | Dactinomycin                              | C          |
| 131. | Danazol                                   | C          |
| 132. | Dapsone                                   | A, E1      |
| 133. | Daunorubicin                              | C          |
| 134. | Dasatinib                                 | D          |
| 135. | Deferasirox                               | C          |
| 136. | Deferiprone                               | D          |
| 137. | Deferoxamine                              | C          |
| 138. | Desferrioxamine mesylate                  | C          |



| NO   | ITEMS                                     | CATEGORIES |
|------|-------------------------------------------|------------|
| 139. | Dexamethasone                             | A, C       |
| 140. | Dextromethorphan                          | A          |
| 141. | Dextrose                                  | A          |
| 142. | Dextrose and sodium chloride              | A          |
| 143. | Diazepam                                  | A          |
| 144. | Diclofenac                                | A, C       |
| 145. | Diethylcarbamazine                        | A          |
| 146. | Digoxin                                   | A, D       |
| 147. | Digibind                                  | E2         |
| 148. | Dihydroartemisinin + Piperaquine          | E1         |
| 149. | Diltiazem                                 | A          |
| 150. | Dimercaprol                               | C          |
| 151. | Dimethicone                               | A          |
| 152. | Diphenhydramine (hydrochloride)           | A          |
| 153. | Diphtheria Antitoxin                      | A          |
| 154. | DPT+ Hep B+ Hib Vaccine                   | A          |
| 155. | Diphtheria, Pertussis and Tetanus Vaccine | A          |
| 156. | Dipyridamole                              | D          |
| 157. | Dobutamine                                | B          |
| 158. | Docetaxel                                 | D          |
| 159. | Domperidone (maleate)                     | A          |
| 160. | Dopamine                                  | A          |
| 161. | Doxorubicin                               | C          |
| 162. | Doxycycline                               | E1, A      |

| NO   | ITEMS                              | CATEGORIES |
|------|------------------------------------|------------|
| 163. | Drotaverine                        | A          |
| 164. | Efavirenz                          | E1         |
| 165. | Eltrombopag                        | D          |
| 166. | Enalapril                          | A          |
| 167. | Enoxaparin                         | C          |
| 168. | Ephedrine                          | C          |
| 169. | Epinephrine                        | A, B       |
| 170. | Epirubicin                         | D          |
| 171. | Ergocalciferol                     | A          |
| 172. | Ergometrine (Hydrogen maleate)     | A          |
| 173. | Erythromycin                       | A          |
| 174. | Erythropoietin                     | E2         |
| 175. | Escitalopram                       | D          |
| 176. | Ethambutol                         | A          |
| 177. | Ethinylestradiol + Levonorgestrel  | A          |
| 178. | Ethinylestradiol + Norethisterone  | A          |
| 179. | Ethionamide                        | C          |
| 180. | Etoposide                          | C          |
| 181. | Eusol                              | A          |
| 182. | Felodipine                         | D          |
| 183. | Fenofibrate                        | C          |
| 184. | Fentanyl                           | C          |
| 185. | Ferrous salts (Sulphate, fumarate) | A          |
| 186. | Filgrastim                         | D          |

| NO   | ITEMS                                       | CATEGORIES |
|------|---------------------------------------------|------------|
| 187. | Finasteride                                 | D          |
| 188. | Flecainide                                  | D          |
| 189. | Fluocinolone acetonide                      | C          |
| 190. | Flucloxacillin                              | A          |
| 191. | Fluconazole                                 | A, C       |
| 192. | Fludarabine                                 | D          |
| 193. | Fludrocortisone                             | B          |
| 194. | Flumazenil                                  | D          |
| 195. | Flumethasone                                | D          |
| 196. | Fluorometholone                             | D          |
| 197. | 5-Fluorouracil                              | C          |
| 198. | Fluoxetine (hydrochloride)                  | A          |
| 199. | Flutamide                                   | D          |
| 200. | Fluticasone                                 | A, D       |
| 201. | Fluticasone Propionate + Salmeterol inhaler | C          |
| 202. | Folic acid                                  | A          |
| 203. | Folinic acid                                | C          |
| 204. | Formaldehyde                                | A          |
| 205. | Fortified Procaine Penicillin G             | A          |
| 206. | Framycetin                                  | A          |
| 207. | Furosemide                                  | A          |
| 208. | Fusidic acid                                | B          |
| 209. | Gabapentin                                  | D          |
| 210. | Gadolinium                                  | D          |

| NO   | ITEMS                                  | CATEGORIES |
|------|----------------------------------------|------------|
| 211. | Ganciclovir                            | D          |
| 212. | Gelatin infusion                       | B          |
| 213. | Gemcitabine                            | D          |
| 214. | Gentamicin                             | A, C       |
| 215. | Glucagon                               | A          |
| 216. | Glutaraldehyde                         | A          |
| 217. | Glycerin suppository                   | A          |
| 218. | Glyceryl trinitrate                    | A, C       |
| 219. | Glycopyrrolate                         | C          |
| 220. | Granulocyte colony stimulating factor  | D          |
| 221. | Griseofulvin                           | A          |
| 222. | Haemophilus influenzae B vaccine       | A          |
| 223. | Haloperidol                            | A          |
| 224. | Halothane                              | C          |
| 225. | Heparin                                | C          |
| 226. | Hepatitis A vaccine                    | C          |
| 227. | Hepatitis B Immunoglobulin             | C          |
| 228. | Hepatitis B vaccine                    | A          |
| 229. | Trastuzumab (Herceptin)                | D          |
| 230. | Hexanios                               | D          |
| 231. | Human papilloma virus bivalent vaccine | A, E1      |
| 232. | Hydralazine                            | A          |
| 233. | Hydrochlorothiazide                    | A          |
| 234. | Hydrocortisone                         | A, C       |

| NO   | ITEMS                                 | CATEGORIES |
|------|---------------------------------------|------------|
| 235. | Hydrogen peroxide                     | A          |
| 236. | Hydroxocobalamin                      | A          |
| 237. | Hydroxycarbamide                      | C          |
| 238. | Hydroxychloroquine [c]                | B          |
| 239. | Hyoscine (Butylbromide)               | A          |
| 240. | Ibuprofen                             | A          |
| 241. | Idarubicin                            | D          |
| 242. | Ifosfamide                            | D          |
| 243. | Imatinib                              | D          |
| 244. | Imipenem + Cilastatin                 | C, D       |
| 245. | Imiquimod                             | D          |
| 246. | Immunoglobulin                        | C          |
| 247. | Indapamide                            | A          |
| 248. | Irinotecan                            | D          |
| 249. | Insulin                               | A          |
| 250. | Insulin Glargine                      | C          |
| 251. | Iopamidol                             | D          |
| 252. | Ipratropium bromide inhaler           | A          |
| 253. | Isoflurane                            | C          |
| 254. | Isoniazid                             | A          |
| 255. | Isoniazid + Ethambutol                | E1         |
| 256. | Isoniazid + Rifampicin                | B, E1      |
| 257. | Isoniazid + Rifampicin + Ethambutol   | E1         |
| 258. | Isoniazid + Rifampicin + Pyrazinamide | B, E1      |

| NO   | ITEMS                            | CATEGORIES |
|------|----------------------------------|------------|
| 259. | Isosorbide Dinitrate             | A          |
| 260. | Isosorbide Mononitrate           | A          |
| 261. | Itraconazole                     | C          |
| 262. | Ivermectin                       | C          |
| 263. | Japanese Encephalitis vaccine    | A, B       |
| 264. | Kanamycin                        | E1         |
| 265. | Ketamine (Hydrochloride)         | A          |
| 266. | Ketoconazole                     | A          |
| 267. | Labetalol                        | C          |
| 268. | Lactulose                        | B          |
| 269. | Lamotrigine                      | D          |
| 270. | Lenalidomide                     | D          |
| 271. | Letrozole                        | D          |
| 272. | Levamisole                       | A          |
| 273. | Levetiracetam                    | D          |
| 274. | Levodopa + Carbidopa             | A          |
| 275. | Levofloxacin                     | C, D       |
| 276. | Levonorgestrel                   | A          |
| 277. | Levonorgestrel releasing implant | C          |
| 278. | Levothyroxine (Sodium salt)      | A          |
| 279. | Lignocaine + Epinephrine         | A          |
| 280. | Lidocaine (Hydrochloride)        | A          |
| 281. | Lincomycin                       | C          |
| 282. | Linezolid                        | E2         |

| NO   | ITEMS                                | CATEGORIES |
|------|--------------------------------------|------------|
| 283. | Lipid solution                       | C          |
| 284. | Liposomal Amphotericin               | E2         |
| 285. | Lithium carbonate                    | A          |
| 286. | Loperamide                           | B          |
| 287. | Lopinavir                            | E1         |
| 288. | Loratadine                           | A          |
| 289. | Lorazepam                            | A, C       |
| 290. | Losartan (Potassium)                 | B          |
| 291. | Loteprednol etabonate                | D          |
| 292. | Leuprolide acetate (Lupron-Depot)    | D          |
| 293. | Magnesium hydroxide                  | A          |
| 294. | Magnesium oxide                      | C          |
| 295. | Magnesium sulphate                   | A, C, E1   |
| 296. | Mannitol                             | A          |
| 297. | Measles vaccine                      | A          |
| 298. | Measles/ Mumps/ Rubella vaccine      | A          |
| 299. | Mebendazole                          | A          |
| 300. | Medroxyprogesterone (Acetate)/ Depot | A          |
| 301. | Melfalan                             | C          |
| 302. | Meningococcal vaccine                | C          |
| 303. | 6-Mercaptopurine                     | C          |
| 304. | Meropenem                            | C          |
| 305. | Mesna                                | D          |
| 306. | Metaraminol                          | E2         |

| NO   | ITEMS                     | CATEGORIES |
|------|---------------------------|------------|
| 307. | Metformin (Hydrochloride) | A          |
| 308. | Methadone                 | D          |
| 309. | Methotrexate              | C          |
| 310. | Methoxypsoralen Ointment  | C          |
| 311. | Methyldopa                | A          |
| 312. | Methylated Spirit         | A          |
| 313. | Methylphenidate           | C          |
| 314. | Methylprednisolone        | C          |
| 315. | Methylthioninium chloride | D          |
| 316. | Metolazone                | C          |
| 317. | Metoprolol (Tartrate)     | A          |
| 318. | Metronidazole             | A          |
| 319. | Miconazole                | A          |
| 320. | Midazolam                 | C, D       |
| 321. | Misoprostol               | A          |
| 322. | Mitomycin-C               | D          |
| 323. | Mitoxantrone              | D          |
| 324. | Mometasone                | D          |
| 325. | Montelukast               | C          |
| 326. | Morphine                  | C          |
| 327. | Moxifloxacin              | D, E1      |
| 328. | Multivitamin and Mineral  | A          |
| 329. | Mycophenolate mofetil     | D          |
| 330. | Naloxone                  | A          |



| NO   | ITEMS                       | CATEGORIES |
|------|-----------------------------|------------|
| 331. | Naproxen                    | A          |
| 332. | Neomycin                    | A          |
| 333. | Neostigmine (metilsulphate) | B          |
| 334. | Netilmicin                  | D          |
| 335. | Nevirapine                  | E1         |
| 336. | Niclosamide                 | A          |
| 337. | Nicotinamide                | B          |
| 338. | Nifedipine retard           | B, C       |
| 339. | Nikethamide                 | C          |
| 340. | Nitrofurantoin              | B          |
| 341. | Nitrous Oxide               | C          |
| 342. | Nitrous Oxide + Oxygen      | E2         |
| 343. | Norepinephrine              | A          |
| 344. | Norethisterone enanthate    | A          |
| 345. | Norfloxacin                 | A          |
| 346. | Nystatin                    | A          |
| 347. | Octreotide                  | D          |
| 348. | Oestrogen Cream             | E2         |
| 349. | Ofloxacin                   | E1         |
| 350. | Olanzapine                  | C          |
| 351. | Omeprazole                  | A          |
| 352. | Ondansetron (Hydrochloride) | B          |
| 353. | Oral Rehydration Salt       | A          |
| 354. | Oxaliplatin                 | D          |

| NO   | ITEMS                                   | CATEGORIES |
|------|-----------------------------------------|------------|
| 355. | Oxygen                                  | A          |
| 356. | Oxymetazoline                           | C          |
| 357. | Oxymetholone                            | D          |
| 358. | Oxytocin                                | A          |
| 359. | Paclitaxel Powder                       | D          |
| 360. | Pamidronate                             | D          |
| 361. | Pantoprazole                            | B          |
| 362. | Paracetamol                             | A, C       |
| 363. | P-aminosalicylic acid                   | C, E1      |
| 364. | Penicillamine                           | C          |
| 365. | Perindopril                             | C          |
| 366. | Permethrin                              | A          |
| 367. | Pethidine                               | C          |
| 368. | Phenobarbital                           | A          |
| 369. | Phenoxyethyl penicillin                 | A          |
| 370. | Physiological Saline                    | A          |
| 371. | Phytomenadione                          | A          |
| 372. | Pilocarpine (Hydrochloride or Nitrate)  | A          |
| 373. | Pioglitazone                            | D          |
| 374. | Piperacillin with tazobactam            | D          |
| 375. | Pneumococcal Vaccine                    | A          |
| 376. | Poliomyelitis Vaccine                   | A          |
| 377. | Polyethylene Glycol Powder for Solution | C          |
| 378. | Polymyxin B + Neomycin                  | C          |

| NO   | ITEMS                                | CATEGORIES |
|------|--------------------------------------|------------|
| 379. | Polymyxin + Bacitracin + Neomycin    | C          |
| 380. | Potassium chloride                   | A          |
| 381. | Potassium citrate                    | A          |
| 382. | Potassium Iodide                     | A          |
| 383. | Potassium permanganate               | A          |
| 384. | Povidone Iodine                      | A          |
| 385. | Pralidoxime                          | A          |
| 386. | Praziquantel                         | A          |
| 387. | Prazosin (Hydrochloride)             | B          |
| 388. | Prednisolone                         | A, C       |
| 389. | Primaquine                           | A, E1      |
| 390. | Procarbazine                         | C          |
| 391. | Prochlorperazine                     | A          |
| 392. | Propafenone                          | D          |
| 393. | Propofol                             | C          |
| 394. | Propranolol                          | A, C       |
| 395. | Propylthiouracil                     | A          |
| 396. | Protamine sulphate                   | C          |
| 397. | Pyrazinamide                         | A          |
| 398. | Pyridoxine (Hydrochloride)           | A          |
| 399. | Quinine                              | A          |
| 400. | Rabies Immunoglobulin (Human origin) | B          |
| 401. | Rabies Vaccine                       | A          |
| 402. | Ranitidine (Hydrochloride)           | A          |

| NO   | ITEMS                        | CATEGORIES |
|------|------------------------------|------------|
| 403. | Rasburicase                  | D          |
| 404. | Recombinant factor VIII      | E1         |
| 405. | Recombinant factor IX        | E1         |
| 406. | Repaglinide                  | D          |
| 407. | Retinol                      | A          |
| 408. | Ribavirin                    | E2         |
| 409. | Riboflavin                   | A          |
| 410. | Rifabutin                    | E1         |
| 411. | Rifampicin                   | A, E1      |
| 412. | Rifaximin                    | C          |
| 413. | Ringer Lactate               | A          |
| 414. | Risperidone                  | C          |
| 415. | Ritonavir boosted Lopinavir  | E1         |
| 416. | Rituximab                    | D          |
| 417. | Rotavirus Vaccine            | A          |
| 418. | Salbutamol (Sulphate)        | A          |
| 419. | Salicylic acid               | A          |
| 420. | Saline                       | A          |
| 421. | Sevoflurane                  | C          |
| 422. | Silver sulfadiazine          | A          |
| 423. | Simvastatin                  | A          |
| 424. | Sodium bicarbonate           | A          |
| 425. | Sodium bicarbonate/ glycerin | A          |
| 426. | Sodium calcium edetate       | C          |

| NO   | ITEMS                                 | CATEGORIES |
|------|---------------------------------------|------------|
| 427. | Sodium chloride                       | A, C       |
| 428. | Sodium chromoglycate                  | C          |
| 429. | Sodium fluoride                       | A          |
| 430. | Sodium nitrite                        | C          |
| 431. | Sodium thiosulphate                   | C          |
| 432. | Sorafenib                             | D          |
| 433. | Sotalol                               | C          |
| 434. | Spironolactone                        | A          |
| 435. | Streptokinase                         | A          |
| 436. | Streptomycin                          | A          |
| 437. | Succimer                              | D          |
| 438. | Sulfasalazine                         | C          |
| 439. | Suxamethonium chloride                | C          |
| 440. | Tacrolimus                            | D          |
| 441. | Tacrolimus/pimecrolimus               | C          |
| 442. | Tamoxifen                             | C          |
| 443. | Tenofovir                             | E1         |
| 444. | Tenofovir + Emtricitabine + Efavirenz | E1         |
| 445. | Tenofovir + Lamivudine                | E1         |
| 446. | Tenofovir + Lamivudine + Efavirenz    | E1         |
| 447. | Testosterone ester                    | C          |
| 448. | Tetanus immunoglobulin (Human origin) | B          |
| 449. | Tetanus vaccine                       | A          |
| 450. | Tetracaine (Hydrochloride)            | D          |

| NO   | ITEMS                                                   | CATEGORIES |
|------|---------------------------------------------------------|------------|
| 451. | Tetracycline                                            | A          |
| 452. | Thalidomide                                             | D          |
| 453. | Theophylline                                            | A          |
| 454. | Thiamine (Hydrochloride)                                | A, B       |
| 455. | Thiopental                                              | C          |
| 456. | Thioguanine                                             | D          |
| 457. | Timolol (maleate)                                       | A          |
| 458. | Tincture Opium                                          | E2         |
| 459. | Tiotropium bromide inhaler                              | B          |
| 460. | Tolnaftate                                              | A          |
| 461. | Topiramate                                              | D          |
| 462. | Total parenteral nutrition                              | C          |
| 463. | Tramadol                                                | C          |
| 464. | Tranexamic acid                                         | A          |
| 465. | Travoprost                                              | D          |
| 466. | Tretinoin/ all trans retinoic acid                      | D          |
| 467. | Tropicamide                                             | C          |
| 468. | Typhoid, Paratyphoid A and B Vaccine<br>with Vi antigen | A          |
| 469. | Valproic acid                                           | A          |
| 470. | Valganciclovir                                          | D          |
| 471. | Vancomycin                                              | D          |
| 472. | Varicella vaccine                                       | E1         |
| 473. | Vecuronium bromide                                      | C          |

## Myanmar Essential Medicines Project

| NO   | ITEMS                                | CATEGORIES |
|------|--------------------------------------|------------|
| 474. | Verapamil (Hydrochloride)            | A, C       |
| 475. | Vinblastine                          | C          |
| 476. | Vincristine                          | C          |
| 477. | Vinorelbine                          | D          |
| 478. | Vitamin B Complex                    | A          |
| 479. | Voriconazole                         | D, E2      |
| 480. | Warfarin Sodium                      | C          |
| 481. | Water for Injection                  | A          |
| 482. | Yellow Fever Vaccine                 | C          |
| 483. | Zidovudine + Lamivudine              | E1         |
| 484. | Zidovudine + Lamivudine + Nevirapine | E1         |
| 485. | Zinc Sulphate                        | A          |
| 486. | Zoledronic-1A                        | D          |

## ADDING ITEMS (183) TO YEAR (2010) BOOK

- |                                                 |                                         |
|-------------------------------------------------|-----------------------------------------|
| 1. ACTH                                         | 23. Calcipotriol                        |
| 2. Abacavir + Lamivudine                        | 24. Capecitabine                        |
| 3. Acarbose                                     | 25. Caspofungin                         |
| 4. Adenosine                                    | 26. Cefazolin                           |
| 5. Aluminium Hydroxide +<br>Magnesium Hydroxide | 27. Cefotaxime                          |
| 6. Amino Acid Solution                          | 28. Cefoperazone+Sulbactam              |
| 7. Ampicillin                                   | 29. Cholera Vaccine                     |
| 8. Anastrozole                                  | 30. Ciclosporin                         |
| 9. Antithymocyte Globulin                       | 31. Cisatracurium                       |
| 10. Arsenic trioxide                            | 32. Cisplatin                           |
| 11. Artemether + Lumefantrine                   | 33. Clarithromycin                      |
| 12. Atazanavir boosted Lopinavir                | 34. Clobetasol                          |
| 13. Atovaquone + Proguanil                      | 35. Clonazepam                          |
| 14. Baclofen                                    | 36. Cytarabine                          |
| 15. Bambuterol                                  | 37. Danazol                             |
| 16. Bendamustine                                | 38. Dasatinib                           |
| 17. Betamethasone+ Neomycin                     | 39. Deferasirox                         |
| 18. Bevacizumab                                 | 40. Deferiprone                         |
| 19. Bortezomib                                  | 41. Desferrioxamine mesylate            |
| 20. Brimonidine                                 | 42. Dextromethorphan                    |
| 21. Budesonide                                  | 43. Digibind                            |
| 22. Busulfan                                    | 44. Dihydroartemisinin +<br>Piperaquine |



- |                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| 45. Diphtheria Antitoxin                           | 67. Folinic acid                             |
| 46. DPT+ Hep B + Hib Vaccine                       | 68. Fusidic acid                             |
| 47. Dipyrindamole                                  | 69. Gabapentin                               |
| 48. Docetaxel                                      | 70. Gadolinium                               |
| 49. Drotaverine                                    | 71. Ganciclovir                              |
| 50. Eltrombopag                                    | 72. Gemcitabine                              |
| 51. Enoxaparin                                     | 73. Glucagon                                 |
| 52. Epirubicin                                     | 74. Glycerin suppository                     |
| 53. Escitalopram                                   | 75. Glycopyrrolate                           |
| 54. Eusol                                          | 76. Granulocyte colony<br>stimulating factor |
| 55. Felodipine                                     | 77. Griseofulvin                             |
| 56. Fenofibrate                                    | 78. Hepatitis A vaccine                      |
| 57. Filgrastim                                     | 79. Hexanios                                 |
| 58. Flecainide                                     | 80. Hydroxycarbamide                         |
| 59. Fluocinolone ac                                | 81. Hydroxychloroquine                       |
| 60. Fludarabine                                    | 82. Ibuprofen                                |
| 61. Fludrocortisone                                | 83. Idarubicin                               |
| 62. Fluocinolone acetonide                         | 84. Imatinib                                 |
| 63. Fluorometholone                                | 85. Imiquimod                                |
| 64. Flutamide                                      | 86. Immunoglobulin                           |
| 65. Fluticasone propionate<br>inhaler              | 87. Indapamide                               |
| 66. Fluticasone propionate +<br>Salmeterol inhaler | 88. Irinotecan                               |
|                                                    | 89. Insulin glargine                         |

- |                                              |                                   |
|----------------------------------------------|-----------------------------------|
| 90. Iopamidol                                | 111. Meropenem                    |
| 91. Ipratropium bromide<br>inhaler           | 112. Mesna                        |
| 92. Isoniazid + Ethambutol                   | 113. Metaraminol                  |
| 93. Isoniazid + Rifampicin +<br>Ethambutol   | 114. Methoxypsoralen<br>ointment  |
| 94. Isoniazid + Rifampicin +<br>Pyrazinamide | 115. Methylphenidate              |
| 95. Itraconazole                             | 116. Methylthioninium<br>chloride |
| 96. Ivermectin                               | 117. Metolazone                   |
| 97. Lamotrigine                              | 118. Mitomycin - C                |
| 98. Lenalidomide                             | 119. Mitoxantrone                 |
| 99. Letrozole                                | 120. Mometasone                   |
| 100. Levetiracetam                           | 121. Montelukast                  |
| 101. Lidocaine + Epinephrine                 | 122. Moxifloxacin                 |
| 102. Linezolid                               | 123. Mycophenolate mofetil        |
| 103. Liposomal Amphotericin                  | 124. Naproxen                     |
| 104. Lithium carbonate                       | 125. Nitrofurantoin               |
| 105. Loperamide                              | 126. Nitrous Oxide + Oxygen       |
| 106. Loratadine                              | 127. Octreotide                   |
| 107. Loteprednol etabonate                   | 128. Oestrogen Cream              |
| 108. Leuprolide acetate<br>(Lupron-depot)    | 129. Olanzapine                   |
| 109. Magnesium oxide                         | 130. Oxaliplatin                  |
| 110. Melfalan                                | 131. Oxymetholone                 |
|                                              | 132. Paclitaxel Powder            |
|                                              | 133. Pamidronate                  |

# Myanmar Essential Medicines Project

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| 134. Pantoprazole                               | 156. Sevoflurane                              |
| 135. P-aminosalicylic acid                      | 157. Sodium Calcium<br>Edetate                |
| 136. Perindopril                                | 158. Sodium Chromoglycate                     |
| 137. Pioglitazone                               | 159. Sorafenib                                |
| 138. Piperacillin with<br>tazobactam            | 160. Sotalol                                  |
| 139. Pneumococcal Vaccine                       | 161. Succimer                                 |
| 140. Polyethylene Glycol<br>Powder for Solution | 162. Tacrolimus                               |
| 141. Potassium Iodide                           | 163. Tacrolimus/pimecrolimus                  |
| 142. Praziquantel                               | 164. Tenofovir + Emtricitabine<br>+ Efavirenz |
| 143. Propafenone                                | 165. Tenofovir + Lamivudine                   |
| 144. Protamine Sulfate                          | 166. Tenofovir + Lamivudine<br>+ Efavirenz    |
| 145. Rasburicase                                | 167. Thalidomide                              |
| 146. Recombinant Factor VIII                    | 168. Thioguanine                              |
| 147. Recombinant Factor IX                      | 169. Tiotropium bromide<br>inhaler            |
| 148. Repaglinide                                | 170. Tolnaftate                               |
| 149. Rifabutin                                  | 171. Topiramate                               |
| 150. Rifaximin                                  | 172. Total Parenteral Nutrition               |
| 151. Risperidone                                | 173. Trastuzumab (Herceptin)                  |
| 152. Ritonavir boosted<br>Lopinavir             | 174. Travoprost                               |
| 153. Rituximab                                  | 175. Tretinoin/ all trans<br>Retinoic Acid    |
| 154. Rotavirus Vaccine                          |                                               |
| 155. Saline                                     |                                               |

Myanmar Essential Medicines Project

- 176. Varicella Vaccine
- 177. Vinorelbine
- 178. Voriconazole
- 179. Water for Injection
- 180. Zidovudine + Lamivudine
- 181. Zidovudin + Lamivudine  
+ Nevirapine
- 182. Zinc Sulphate
- 183. Zoledronic -1 A

## DELETING ITEMS (38) FROM YEAR (2010) BOOK

- |                               |                             |
|-------------------------------|-----------------------------|
| 1. Atenolol                   | 23. Lugol's Iodine          |
| 2. Azathioprine               | 24. Mefloquine              |
| 3. Benzalkonium Chloride      | 25. Metoclopramide          |
| 4. Cetrimide                  | 26. Norethisterone          |
| 5. Celecoxib                  | 27. Promethazine            |
| 6. Citrate Phosphate Dextrose | 28. Pancuronium             |
| Adenine 1                     | 29. Pyridostigmine          |
| 7. Dextran 70                 | 30. Phenytoin               |
| 8. Dextran 40                 | 31. Prostaglandin F-2 alpha |
| 9. Didanosine                 | 32. Ritonavir               |
| 10. Diethylether              | 33. Saquinavir              |
| 11. Diloxanide furoate        | 34. Sodium Nitroprusside    |
| 12. Ethinylestradiol          | 35. Stavudine               |
| 13. Ethosuximide              | 36. Tinidazole              |
| 14. Fluphenazine              | 37. Xylometazoline          |
| 15. Glibenclamide             | 38. Zidovudine              |
| 16. Gliclazide                |                             |
| 17. Glimepiride               |                             |
| 18. Glipizide                 |                             |
| 19. Hydroxyurea               |                             |
| 20. Indinavir                 |                             |
| 21. Iodine                    |                             |
| 22. Lamivudine                |                             |

## TOTAL ITEMS OF 'A'

- |                                                 |                                      |
|-------------------------------------------------|--------------------------------------|
| 1. Acetazolamide                                | 21. Barium Sulfate                   |
| 2. Acetylcysteine                               | 22. BCG Vaccine                      |
| 3. Acyclovir                                    | 23. Beclomethasone<br>(Dipropionate) |
| 4. Acetylsalicylic Acid                         | 24. Benzathine Penicillin            |
| 5. Adenosine                                    | 25. Benzhexol                        |
| 6. Albendazole                                  | 26. Benzoic Acid + Salicylic<br>Acid |
| 7. Allopurinol                                  | 27. Benzoin Tincture                 |
| 8. Aluminium Hydroxide                          | 28. Benzyl Benzoate                  |
| 9. Aluminium Hydroxide +<br>Magnesium Hydroxide | 29. Benzyl penicillin G              |
| 10. Aminophylline                               | 30. Betamethasone +<br>Neomycin      |
| 11. Amitriptyline                               | 31. Bisacodyl                        |
| 12. Amlodipine                                  | 32. Boric Acid / Spirit              |
| 13. Amoxicillin                                 | 33. Budesonide                       |
| 14. Amoxicillin + Clavulanic<br>Acid            | 34. Bupivacaine                      |
| 15. Ampicillin                                  | 35. Calamine                         |
| 16. Anti -D Immunoglobulin                      | 36. Calcium Gluconate                |
| 17. Antisnake Venom Serum<br>(Cobra Antivenom)  | 37. Carbamazepine                    |
| 18. Antisnake Venom Serum<br>(Viper Antivenom)  | 38. Carbimazole                      |
| 19. Ascorbic Acid                               | 39. Carbocysteine                    |
| 20. Atropine                                    | 40. Cephalexin                       |
|                                                 | 41. Cetirizine                       |

- |                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| 42. Charcoal                                     | 63. Dexamethasone                                |
| 43. Chloramphenicol                              | 64. Dextromethorphan                             |
| 44. Chlorhexidine<br>(Digluconate)               | 65. Dextrose                                     |
| 45. Chlorine based<br>compound                   | 66. Dextrose and sodium<br>chloride              |
| 46. Chloroquine                                  | 67. Diazepam                                     |
| 47. Chloroxylenol                                | 68. Diclofenac                                   |
| 48. Chlorpheniramine                             | 69. Diethylcarbamazine                           |
| 49. Chlorpromazine<br>(Hydrochloride)            | 70. Digoxin                                      |
| 50. Chlorthalidone                               | 71. Diltiazem                                    |
| 51. Clindamycin                                  | 72. Dimethicone                                  |
| 52. Clobetasol                                   | 73. Diphenhydramine<br>(Hydrochloride)           |
| 53. Clofazimine                                  | 74. Diphtheria Antitoxin                         |
| 54. Clotrimazole                                 | 75. DPT + Hep B + Hib<br>Vaccine                 |
| 55. Cloxacillin                                  | 76. Diphtheria, Pertussis<br>and Tetanus Vaccine |
| 56. Coal tar                                     | 77. Domperidone (maleate)                        |
| 57. Colchicine                                   | 78. Dopamine                                     |
| 58. Comprox AC + Solution<br>dichlormetaxyleneol | 79. Doxycycline                                  |
| 59. Condoms                                      | 80. Drotaverine                                  |
| 60. Copper Intra-Uterine<br>Device (Cu-IUD)      | 81. Enalapril                                    |
| 61. Cotrimoxazole                                | 82. Epinephrine                                  |
| 62. Dapsone                                      | 83. Ergocalciferol                               |

# Myanmar Essential Medicines Project

- |                                        |                                       |
|----------------------------------------|---------------------------------------|
| 84. Ergometrine (Hydrogen maleate)     | 105. Griseofulvin                     |
| 85. Erythromycin                       | 106. Haemophilus influenzae B vaccine |
| 86. Ethambutol                         | 107. Haloperidol                      |
| 87. Ethinyl estradiol + Levonorgestrel | 108. Hepatitis B vaccine              |
| 88. Ethinyl estradiol + Norethisterone | 109. HPV Vaccination                  |
| 89. Eusol                              | 110. Hydralazine                      |
| 90. Ferrous salt (sulfate, fumarate)   | 111. Hydrochlorthiazide               |
| 91. Flucloxacillin                     | 112. Hydrocortisone                   |
| 92. Fluconazole                        | 113. Hydrogen peroxide                |
| 93. Fluoxetine (hydrochloride)         | 114. Hydroxocobalamin                 |
| 94. Fluticasone propionate             | 115. Hyoscine (butylbromide)          |
| 95. Folic acid                         | 116. Ibuprofen                        |
| 96. Formaldehyde                       | 117. Indapamide                       |
| 97. Fortified Procaine Penicillin G    | 118. Insulin                          |
| 98. Framycetin                         | 119. Ipratropium bromide              |
| 99. Furosemide                         | 120. Isoniazid                        |
| 100. Gentamicin                        | 121. Isosorbide Dinitrate             |
| 101. Glucagon                          | 122. Isosorbide Mononitrate           |
| 102. Glutaraldehyde                    | 123. Japanese Encephalitis vaccine    |
| 103. Glycerin suppository              | 124. Ketamine (hydrochloride)         |
| 104. Glyceryl trinitrate               | 125. Ketoconazole                     |
|                                        | 126. Levamisole                       |
|                                        | 127. Levodopa + Carbidopa             |



## Myanmar Essential Medicines Project

- |                                              |                                                |
|----------------------------------------------|------------------------------------------------|
| 128. Levonorgestrel                          | 150. Naloxone                                  |
| 129. Levothyroxine (sodium)                  | 151. Naproxen                                  |
| 130. Lignocaine + Epinephrine                | 152. Neomycin                                  |
| 131. Lidocaine<br>(hydrochloride)            | 153. Niclosamide                               |
| 132. Lithium carbonate                       | 154. Norepinephrine                            |
| 133. Loratadine                              | 155. Norethisterone<br>enanthate               |
| 134. Lorazepam                               | 156. Norfloxacin                               |
| 135. Magnesium hydroxide                     | 157. Nystatin                                  |
| 136. Magnesium sulfate                       | 158. Omeprazole                                |
| 137. Mannitol                                | 159. Oral Rehydration Salt                     |
| 138. Measles vaccine                         | 160. Oxygen                                    |
| 139. Measles/ Mumps/<br>Rubella vaccine      | 161. Oxytocin                                  |
| 140. Mebendazole                             | 162. Paracetamol                               |
| 141. Medroxyprogesterone<br>(acetate)/ Depot | 163. Permethrin                                |
| 142. Metformin<br>(hydrochloride)            | 164. Phenobarbital                             |
| 143. Methyl dopa                             | 165. Phenoxymethyl penicillin                  |
| 144. Methylated spirit                       | 166. Physiological saline                      |
| 145. Metoprolol (tartrate)                   | 167. Phytomenadione                            |
| 146. Metronidazole                           | 168. Pilocarpine (hydrochloride<br>or nitrate) |
| 147. Miconazole                              | 169. Pneumococcal vaccine                      |
| 148. Misoprostol                             | 170. Poliomyelitis vaccine                     |
| 149. Multivitamin and<br>Mineral             | 171. Potassium chloride                        |
|                                              | 172. Potassium citrate                         |
|                                              | 173. Potassium iodide                          |

# Myanmar Essential Medicines Project

- |                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| 174. Potassium permanganate        | 198. Sodium bicarbonate                                         |
| 175. Povidone Iodine               | 199. Sodium bicarbonate/<br>glycerin                            |
| 176. Pralidoxime                   | 200. Sodium chloride                                            |
| 177. Praziquantel                  | 201. Sodium fluoride                                            |
| 178. Prednisolone                  | 202. Spironolactone                                             |
| 179. Primaquine                    | 203. Streptokinase                                              |
| 180. Prochlorperazine              | 204. Streptomycin                                               |
| 181. Propranolol                   | 205. Tetanus vaccine                                            |
| 182. Propylthiouracil              | 206. Tetracycline                                               |
| 183. Pyrazinamide                  | 207. Theophylline                                               |
| 184. Pyridoxine<br>(hydrochloride) | 208. Thiamine<br>(hydrochloride)                                |
| 185. Quinine                       | 209. Timolol (maleate)                                          |
| 186. Rabies vaccine                | 210. Tolnaftate                                                 |
| 187. Ranitidine<br>(hydrochloride) | 211. Tranexamic acid                                            |
| 188. Retinol                       | 212. Typhoid, Paratyphoid<br>A and B vaccine with<br>Vi antigen |
| 189. Riboflavin                    | 213. Valproic acid                                              |
| 190. Rifampicin                    | 214. Verapamil<br>(hydrochloride)                               |
| 191. Ringer lactate                | 215. Vitamin B complex                                          |
| 192. Rotavirus vaccine             | 216. Water for injection                                        |
| 193. Salbutamol (sulfate)          | 217. Zinc sulfate                                               |
| 194. Salicylic acid                |                                                                 |
| 195. Saline                        |                                                                 |
| 196. Silver sulfadiazine           |                                                                 |
| 197. Simvastatin                   |                                                                 |

## TOTAL ITEMS OF ' B '

- |                                           |                                   |
|-------------------------------------------|-----------------------------------|
| 1. 4FDC                                   | 24. Japanese Encephalitis vaccine |
| 2. Amikacin                               | 25. Lactulose                     |
| 3. Amiloride                              | 26. Loperamide                    |
| 4. Ascorbic acid                          | 27. Losartan                      |
| 5. Baclofen                               | 28. Neostigmine                   |
| 6. Bambuterol                             | 29. Nicotinamide                  |
| 7. Betamethasone                          | 30. Nifedipine retard             |
| 8. Cefotaxime                             | 31. Nitrofurantoin                |
| 9. Cefuroxime                             | 32. Ondansetron                   |
| 10. Chloroquine                           | 33. Pantoprazole                  |
| 11. Cinnarizine                           | 34. Prazosin                      |
| 12. Clindamycin                           | 35. Rabies immunoglobulin         |
| 13. Clonazepam                            | 36. Tetanus immunoglobulin        |
| 14. Clopidogrel                           | 37. Thiamine                      |
| 15. Clotrimazole                          | 38. Tiotropium bromide            |
| 16. Dobutamine                            |                                   |
| 17. Epinephrine                           |                                   |
| 18. Fludrocortisone                       |                                   |
| 19. Fusidic acid                          |                                   |
| 20. Gelatin infusion                      |                                   |
| 21. Hydroxychloroquine                    |                                   |
| 22. Isoniazid + Rifampicin                |                                   |
| 23. Isoniazid + Rifampicin + Pyrazinamide |                                   |

## TOTAL ITEMS OF ' C '

- |                                        |                                 |
|----------------------------------------|---------------------------------|
| 1. Acarbose                            | 25. Cefotaxime                  |
| 2. Acetylsalicylic acid                | 26. Ceftazidime                 |
| 3. Alfalcidol                          | 27. Ceftriaxone                 |
| 4. Amikacin                            | 28. Chlorambucil                |
| 5. Amino acid solution                 | 29. Chloramphenicol             |
| 6. Amiodarone                          | 30. Chlorhexidine +<br>Neomycin |
| 7. Amphotericin B                      | 31. Cholera vaccine             |
| 8. Ampicillin                          | 32. Ciclosporin                 |
| 9. Artesunate                          | 33. Cisatracurium               |
| 10. Asparaginase                       | 34. Cisplatin                   |
| 11. Atracurium                         | 35. Clomiphene citrate          |
| 12. Atropine                           | 36. Clomipramine                |
| 13. Azithromycin                       | 37. Codeine phosphate           |
| 14. Bismuth subnitrate and<br>iodoform | 38. Cyclophosphamide            |
| 15. Bleomycin- C                       | 39. Cycloserine                 |
| 16. Brimonidine                        | 40. Cytarabine                  |
| 17. Bromocriptine                      | 41. Dacarbazine (DTIC)          |
| 18. Busulfan                           | 42. Dactinomycin                |
| 19. Calcipotriol                       | 43. Danazol                     |
| 20. Carboplatin                        | 44. Daunorubicin                |
| 21. Carvedilol                         | 45. Deferasirox                 |
| 22. Cefaclor                           | 46. Deferoxamine                |
| 23. Cefazolin                          | 47. Desferrioxamine<br>mesylate |
| 24. Cefixime                           |                                 |

- |                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| 48. Dexamethasone                          | 72. Imipenem + Cilastatin               |
| 49. Diclofenac                             | 73. Immunoglobulin                      |
| 50. Dimercaprol                            | 74. Insulin Glargine                    |
| 51. Doxorubicin                            | 75. Isoflurane                          |
| 52. Enoxaparin                             | 76. Itraconazole                        |
| 53. Ephedrine                              | 77. Ivermectin                          |
| 54. Ethionamide                            | 78. Labetalol                           |
| 55. Etoposide                              | 79. Levofloxacin                        |
| 56. Fenofibrate                            | 80. Levonorgestrel<br>releasing implant |
| 57. Fentanyl                               | 81. Lincomycin                          |
| 58. Fluocinolone acetonide                 | 82. Lipid solution                      |
| 59. Fluconazole                            | 83. Lorazepam                           |
| 60. 5-Fluorouracil                         | 84. Magnesium oxide                     |
| 61. Fluticasone propionate<br>+ Salmeterol | 85. Magnesium sulfate                   |
| 62. Folinic acid                           | 86. Melfalan                            |
| 63. Gentamycin                             | 87. Meningococcal vaccine               |
| 64. Glyceryl trinitrate                    | 88. 6-Mercaptopurine                    |
| 65. Glycopyrrolate                         | 89. Meropenem                           |
| 66. Halothane                              | 90. Methotrexate                        |
| 67. Heparin                                | 91. Methoxypsoralen                     |
| 68. Hepatitis A vaccine                    | 92. Methylphenidate                     |
| 69. Hepatitis B<br>immunoglobulin          | 93. Methylprednisolone                  |
| 70. Hydrocortisone                         | 94. Metolazone                          |
| 71. Hydroxycarbamide                       | 95. Midazolam                           |
|                                            | 96. Montelukast                         |

## Myanmar Essential Medicines Project

- |                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| 97. Morphine                                    | 122. Sodium nitrite               |
| 98. Nifedipine retard                           | 123. Sodium thiosulfate           |
| 99. Nikethamide                                 | 124. Sotalol                      |
| 100. Nitrous oxide                              | 125. Sulfasalazine                |
| 101. Olanzapine                                 | 126. Suxamethonium<br>chloride    |
| 102. Oxymetazoline                              | 127. Tacrolimus /<br>pimecrolimus |
| 103. Paracetamol                                | 128. Tamoxifen                    |
| 104. P-aminosalicylic acid                      | 129. Testosterone ester           |
| 105. Penicillamine                              | 130. Thiopental                   |
| 106. Perindopril                                | 131. Total parenteral nutrition   |
| 107. Pethidine                                  | 132. Tramadol                     |
| 108. Polyethylene glycol<br>powder for solution | 133. Tropicamide                  |
| 109. Polymyxin B + Neomycin                     | 134. Vecuronium bromide           |
| 110. Polymyxin + Bacitracin<br>+ Neomycin       | 135. Verapamil                    |
| 111. Prednisolone                               | 136. Vinblastine                  |
| 112. Procarbazine                               | 137. Vincristine                  |
| 113. Propofol                                   | 138. Warfarin sodium              |
| 114. Propranolol                                | 139. Yellow fever vaccine         |
| 115. Protamine sulfate                          |                                   |
| 116. Rifaximin                                  |                                   |
| 117. Risperidone                                |                                   |
| 118. Sevoflurane                                |                                   |
| 119. Sodium calcium edetate                     |                                   |
| 120. 3% Sodium chloride                         |                                   |
| 121. Sodium chromoglycate                       |                                   |

## TOTAL ITEMS OF ' D '

- |                                 |                                              |
|---------------------------------|----------------------------------------------|
| 1. Acyclovir                    | 25. Filgrastim                               |
| 2. Alprazolam                   | 26. Finasteride                              |
| 3. Anastrozole                  | 27. Flecainide                               |
| 4. Antithymocyte globulin       | 28. Fludarabine                              |
| 5. Arsenic trioxide             | 29. Flumazenil                               |
| 6. Atorvastatin                 | 30. Flumethasone                             |
| 7. Bendamustine                 | 31. Fluorometholone                          |
| 8. Bevacizumab                  | 32. Flutamide                                |
| 9. Bortezomib                   | 33. Fluticasone                              |
| 10. Caspofungin                 | 34. Gabapentin                               |
| 11. Cefixime                    | 35. Gadolinium                               |
| 12. Cefoperazone +<br>Sulbactam | 36. Ganciclovir                              |
| 13. Ciprofloxacin               | 37. Gemcitabine                              |
| 14. Clarithromycin              | 38. Granulocyte colony<br>stimulating factor |
| 15. Capecitabine                | 39. Trastuzumab (Herceptin)                  |
| 16. Dasatinib                   | 40. Hexanios                                 |
| 17. Deferiprone                 | 41. Idarubicin                               |
| 18. Digoxin                     | 42. Ifosfamide                               |
| 19. Dipyridamole                | 43. Imatinib                                 |
| 20. Docetaxel                   | 44. Imipenem + Cilastatin                    |
| 21. Eltrombopag                 | 45. Imiquimod                                |
| 22. Epirubicin                  | 46. Irinotecan                               |
| 23. Escitalopram                | 47. Iopamidol                                |
| 24. Felodipine                  | 48. Lamotrigine                              |

## Myanmar Essential Medicines Project

- |                                          |                                           |
|------------------------------------------|-------------------------------------------|
| 49. Lenalidomide                         | 72. Propafenone                           |
| 50. Letrozole                            | 73. Rasburicase                           |
| 51. Levetiracetam                        | 74. Repaglinide                           |
| 52. Levofloxacin                         | 75. Rituximab                             |
| 53. Loteprednol etabonate                | 76. Sorafenib                             |
| 54. Leuprolide Acetate<br>(Lupron-Depot) | 77. Succimer                              |
| 55. Mesna                                | 78. Tacrolimus                            |
| 56. Methadone                            | 79. Tetracaine                            |
| 57. Methylthioninium<br>chloride         | 80. Thalidomide                           |
| 58. Midazolam                            | 81. Thioguanine                           |
| 59. Mitomycin -C                         | 82. Topiramate                            |
| 60. Mitoxantrone                         | 83. Travoprost                            |
| 61. Mometasone                           | 84. Tretinoin/ all trans<br>retinoic acid |
| 62. Moxifloxacin                         | 85. Valganciclovir                        |
| 63. Mycophenolate mofetil                | 86. Vancomycin                            |
| 64. Netilmicin                           | 87. Vinorelbine                           |
| 65. Octreotide                           | 88. Voriconazole                          |
| 66. Oxaliplatin                          | 89. Zoledronic -1A                        |
| 67. Oxymetholone                         |                                           |
| 68. Paclitaxel                           |                                           |
| 69. Pamidronate                          |                                           |
| 70. Pioglitazone                         |                                           |
| 71. Piperacillin with<br>tazobactam      |                                           |



## TOTAL ITEMS OF ' E1 '

- |                              |                               |
|------------------------------|-------------------------------|
| 1. Abacavir                  | 21. Isoniazid + Rifampicin +  |
| 2. Abacavir+Lamivudine       | Pyrazinamide                  |
| 3. Amikacin                  | 22. Kanamycin                 |
| 4. Artemether                | 23. Lopinavir                 |
| 5. Artemether +              | 24. Magnesium sulfate         |
| Lumefantrine                 | 25. Moxifloxacin              |
| 6. Artesunate                | 26. Nevirapine                |
| 7. Atazanavir boosted        | 27. Ofloxacin                 |
| Lopinavir                    | 28. P-aminosalicylic acid     |
| 8. Atovaquone + Proguanil    | 29. Primaquine                |
| 9. Capreomycin               | 30. Recombinant factor VIII   |
| 10. Ceftriaxone              | 31. Recombinant factor IX     |
| 11. Chloroquine              | 32. Rifabutin                 |
| 12. Clofazimine              | 33. Rifampicin                |
| 13. Dapsone                  | 34. Ritonavir boosted         |
| 14. Dihydroartemisinin +     | Lopinavir                     |
| Piperaquine                  | 35. Tenofovir                 |
| 15. Doxycycline              | 36. Tenofovir + Emtricitabine |
| 16. Efavirenz                | + Efavirenz                   |
| 17. Human Papilloma Virus    | 37. Tenofovir + Lamivudine    |
| Bivalent vaccine             | 38. Tenofovir + Lamivudine    |
| 18. Isoniazid + Ethambutol   | + Efavirenz                   |
| 19. Isoniazid + Rifampicin   | 39. Varicella vaccine         |
| 20. Isoniazid + Rifampicin + | 40. Zidovudine + Lamivudine   |
| Ethambutol                   | 41. Zidovudine + Lamivudine   |
|                              | + Nevirapine                  |

## TOTAL ITEMS OF ' E2 '

1. ACTH
2. Albumin
3. Caspofungin
4. Digibind
5. Erythropoietin
6. Linezolid
7. Liposomal Amphotericin
8. Metaraminol
9. Nitrous oxide + Oxygen
10. Oestrogen
11. Ribavirin
12. Tincture opium
13. Voriconazole