

**SCHEME AND SYLLABUS OF EXAMINATION FOR THE PURPOSE OF FILLING UP OF THE POST OF DRUGS INSPECTOR UNDER SIKKIM STATE SUBORDINATE PARAMEDICAL SERVICE.**

The examination will consist of 2 papers:-

PAPERS	SUBJECT	FULL MARKS	TIME ALLOWED
PAPER I	GENERAL ENGLISH & GENERAL KNOWLEDGE	100 MCQ AND CONVENTIONAL	02 : 00 HOURS
PAPER II	MAIN PAPER	300 MCQ AND CONVENTIONAL	03 : 00 HOURS
VIVA-VOCE/ PERSONALITY		50 MARKS	

Paper I & Paper II will be objective type (OMR) and conventional mode.

**01. PAPER – I :**

**(a) GENERAL ENGLISH (MCQ/ CONVENTIONAL MODE).**

The question will be designed to test the candidate's understanding and command of the English language. The pattern of questions would be broadly as follows:-

1. Comprehensive of given passage
2. Grammar.
3. Usages and vocabulary
4. Essay writing
5. Report writing

**(b) GENERAL KNOWLEDGE:**

- i. Current events of local, national and international importance.
- ii. National level Scheme & projects undertaken by government of India or State Government.

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**PAPER II : MAIN PAPER (MCQ/ CONVENTIONAL MODE)****Unit 1: FORENSIC PHARMACY**

1. Drugs and Cosmetics Act, 1940 and Rules, 1945 and amendments thereunder.
2. Pharmacy Act, 1948.
3. Sikkim Anti-Drugs Act, 2006.
4. Narcotic and Psychotropic Substances Act, 1985.
5. Drug Price Control Order, 1995.
6. Drugs and Magic Remedies Act, 1954.
7. Medical and Toilet Preparation Act, 1955.
8. Trademark Registration Act.
9. Pharmaceutical Ethics.

**Unit 2: MANUFACTURING PHARMACY**

1. Tablet and tablet coating.
2. Capsule.
3. Emulsion, Suspension, Ointment and Cream.
4. Ophthalmic Solutions.
5. Blood, Fluid and Electrolytes.
6. Parenteral preparation and quality control.
7. Surgical Dressing.
8. Biological Preparation (Sera, Vaccines and Anti-Sera)
9. Bio pharmaceuticals

**Unit 3: PHARMACEUTICAL ANALYSIS**

1. Limit test
2. Bio-Assay
3. Sterility Test
4. Pyrogenic Test
5. Theory and application of Colorimeter, Fluor meter, Nephelometer, Turbid meter, U. V. Spectrophotometer
6. Karl-Fischer titration
7. Alcohol determination
8. Microbiological assay of vitamins, antibiotics and vaccine preparation.

**Unit 4: MEDICINAL CHEMISTRY**

Structure, Storage, Preparation and Brand Names of the following classes

(Definition, Classification, etc.)

1. Steroids
2. Sedatives and Hypnotics
3. Psychotherapeutic agents
4. Antihistaminic
5. Analgesics (narcotic, non-narcotic and NSAIDs)
6. Cardiovascular and Anti-diabetic agents

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**Unit 5: PHARMACOGNOSY**

Source, chemical constituents, uses and adulteration of the following classes of drugs

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1. Rauwolfia
2. Ipecacuahna
3. Belladona
4. Cinchona
5. Cinnamon
6. Digitalis
7. Senna
8. Aloe
9. Nox Vomica
10. Opium
11. Kurchi
12. Brahmi
13. Tulsi
14. Bael
15. Ephedra

#### Unit 6: PHARMACOLOGY AND TOXICOLOGY

1. Introduction and General Principles
2. Mode of action of drugs
3. Drug Receptor Interaction
4. Drug Antagonist
5. Pharmacokinetics
6. Bioavailability
7. Drug dependence and addiction
8. Drug abuse and toxicity
9. Adverse drug reaction
10. Drug Allergy
11. Biostatistics

#### Unit 7: HOSPITAL AND CLINICAL PHARMACY

1. Handling of prescription
2. Incompatibility
3. Storage conditions of drugs
4. Clinical Pharmacy and its role in Hospital

#### Unit 8: ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION

1. Elementary knowledge of following systems: Blood, Digestive System, Respiratory System, Reproductive System, Urinary System, Eye and Ear
2. Nutrition, First Aid, Population Control, AIDS control.

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