

Annexure “13”

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. PAPER-I: PHARMACY

- A. Forensic Pharmacy
- B. Manufacturing Pharmacy
- C. Pharmaceutical Analysis
- D. Medicinal Chemistry
- E -Pharmacognosy
- F- Pharmacology & Toxicology
- G- Hospital & Clinical Pharmacy
- H. Anatomy, Physiology & Health Education

• PAPER-II (GENERAL KNOWLEDGE) :

A. FORENSIC PHARMACY (Marks 25)

1. Drugs and Cosmetic Act, 1940 and Rules thereunder, 1945 with amendments.
2. Pharmacy Act, 1948.
3. Drug Price Control Order, 1995.
4. Medical Termination of Pregnancy Act, 1971.
5. Poison Act, 1919 and Dangerous Drugs Act, 1930.
6. Drugs and Magic Remedy Act, 1954.
7. Medical and Toilet Preparation Act, 1955.
8. Prevention of Cruelty to Animal Act.
9. Trademark Registration Act.
10. Pharmaceutical Ethics.

B. MANUFACTURING PHARMACY (Marks 25)

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, Vaccine and Anti-Sera)
9. Biopharmaceutics.

C. PHARMACEUTICAL ANALYSIS (Marks 20)

1. Limit Test.
2. Bio-Assay.
3. Sterility Test.
4. Pyrogen Test.
5. Theory & Application of Colorimeter, Fluorimeter, Nephelometer and Turbidometer, U.V. Visible Spectrophotometer.
6. Karl Fischer Titration.

7. Alcohol determination.
8. Microbiological Assay of Vitamins, Antibiotics and Vaccine Preparation.

D. MEDICINAL CHEMISTRY (Marks 20)

Structure, Storage, Preparation & Brand names of the Following Classes
(Definition, Classification, etc.) :

1. Steroids
2. Sedatives and Hypnotics.
3. Psycho-therapeutic Agents.
4. Antihistaminic Agents.
5. Analgesics (narcotic, non-narcotic and NSAID)
6. Cardiovascular Agents.

E. PHARMACOGNOSY

(Marks 20)

Source, Chemical constituents, uses and adulteration of the following classes of natural drugs of the followings

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

PAPER-II (GENERAL KNOWLEDGE) :

(Marks 10)

- > General Knowledge of Indian Constitution,
- > Science - Inventions & Discoveries,
- > History, India and Neighboring Countries,
- > Sports, Knowledge of Current Events,
- > General Politics, Budget and Five Year Plans,
- > Geography,
- > Current Affairs,
- > Economy,
- > Banking and Finance
- > Economy.