

**DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE ANSWER THE QUESTIONS SERIALY AND CONTINUOUSLY**

**Subject: PHARMACOLOGY & TOXICOLOGY (Theory)**

Full Mark -80

Time -3 hrs

(Answer any five questions including question No. 1)

1. **Define the following terms: (1 x 20)**

i) Agonist	ii) Therapeutic Index	iii) Receptor	iv) Antimetabolite
v) Haemolysis	vi) Teratogenic effect	vii) Toxicology	viii) Tolerance
ix) Prodrug	x) Chemotherapy	xi) Plasma half-life	xii) Pinocytosis
xiii) Super infection	xiv) Facilitated diffusion	xv) Drug dependence	xvi) Affinity
xvii) Anaphylaxis	xviii) Pharmacokinetic	xix) Autacoid	xx) Synergism
2. Define chemotherapeutic agents with suitable example. Differentiate between bacteriostatic and bactericidal drugs. Give a detail note on Penicillin. (3+4+8)
3. a) Classify routes of administration of drugs. Write a note on Oral & Parenteral route with their advantages & disadvantages. (4+6)  
b) Write a note on factors affecting absorption of drugs. (5)
4. Define Anti-muscarinic drug. Classify them with suitable examples. Describe in detail about mechanism of action, pharmacological action and uses of atropine. (3+4+8)
5. a) Pharmacological actions, uses & adverse drug reactions of furosemide. (5)  
b) Pharmacological action, uses & adverse drug reactions of chlorpromazine. (5)  
c) Pharmacological actions, uses & adverse drug reactions of Calcium channel Blocker (5)
6. **Write short note on any three: (3 x 5)**
  - i) Proton Pump Inhibitors
  - ii) Anti Leprotic Drugs
  - iii) Oral Hypoglycaemic Drug
  - iv) First Line Antitubercular Drugs
  - v) Drug Treatment of bronchial Asthma
7. **Write short note on any three: (3 x 5)**
  - a) Chloroquine
  - b) Metronidazole
  - c) Valproic Acid
  - d) Salbutamol
  - e) Griseofulvin

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