

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE

Subject: PHARMACEUTICAL CHEMISTRY- II (Theory)

Full Mark -80

Time -3 hrs

(Answer any five questions including question No. 1)

- Q1. A) Write the structure of the heterocyclic ring with numbering & give suitable example [10x1]
a) Pyrrolidine b) Aziridine c) Quinoline d) Acridine e) Pyrazine
f) Pyridine g) Pyrimidine h) Coumarin i) Indole j) Piperidine
- B) Write the chemical structure & use of the following medicinal agents [10x1]
a) Aspirin b) Procaine c) Phenformin d) Propranolol e) PAS
f) Proflavine g) Chlorocresol h) Isoniazid i) Isoprenaline j) Chlorpropamide
- Q2. Write short notes on any three. [5x3]
(i) Steroidal drugs ii) Local anaesthetics
(iii) Antiseptics and Disinfectants (iv) Anthelmintic Drugs
- Q3. A) Define antibiotics? Classify β -lactam antibiotics with suitable examples. [2+3]
B) Write the structure, nomenclature, popular brand name, and uses of [5x2]
a) Ampicillin b) Benzyl Penicillin
- Q4. A) Define and classify antihistaminic drugs? [2+3]
B) Write the chemical structure, nomenclature, popular brand name & uses of following: [5x2]
(i) Diphenhydramine (ii) Chlorpheniramine
- Q5. Write the structure, chemical name, and uses of following medicinal agents [5x3]
(a) A non-opioid analgesic. (b) A tricyclic antidepressant. (c) A non-heterocyclic antihistamine.
(d) A pyrimidine containing sedative and hypnotic e) A sulfone containing anti-leprotic drug.
- Q6. A) Define anticholinergic drugs? Classify them with suitable example. [1+2]
B) Write the structure, nomenclature, popular brand name and uses of the following: [4x3]
(i) Atropine ii) Propantheline iii) Biperiden
- Q7. Write short notes on any three. [5x10]
a) Diagnostic agents b) Anticoagulants c) Stages of Anaesthesia d) Analeptics
