

**DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO.
QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MAL-PRACTICE
ANSWER THE QUESTIONS SERIALLY AND CONTINUOUSLY**

Subject: PHARMACEUTICAL CHEMISTRY-II (Theory)

Full Mark -80

Time -3 Hrs.

(Answer any five questions including question No. 1)

- (A) Write the structure of the heterocyclic ring with numbering and suitable examples of drugs for each structure. (1x10)**

i) Benzimidazole ii) Quinoline iii) Acridine iv) Coumarin v) Imidazole
vi) Xanthine vii) Furan viii) Pyrrole ix) Pyrazole x) Thiophene

(B) Write the chemical structure and uses of following medicinal agents (2x5)

i) PAS ii) Aspirin iii) Propranolol iv) Nikethamide v) Procaine
- A) Define and classify antimalarial agents with suitable examples. (1+4)
B) Write the structure, chemical name, uses and popular brand name of Chloroquine and Pyrimethamine. (2x5)
- What do you mean by Sulphonamides ? Classify them giving suitable examples. {2+4+(3x3)}
Mention chemical structure, chemical name and uses of the following drugs.
i) Sulfadiazine ii) Sulfacetamide iii) Sulphamethoxazole
- Define the term Histamine & Antihistamine ? Classify them with examples. {2+4+(3x3)}
Write the structure, nomenclature, uses & popular brand names of :
i) Diphenhydramine ii: Pheniramine
- What do you mean by anticholinergic drugs ? Classify with suitable examples. {1+2+(4x3)}
Write the structure, nomenclature, popular brand names and uses of the following :
i) Atropine ii) Propantheline iii) Biperiden
- What are antibiotics ? Classify β -lactam antibiotics with suitable examples. {1+2+(4x3)}
Write the structure, nomenclature, popular brand names & uses of :
i) Benzyl penicillin ii) Phenoxymethyl penicillin iii) Amoxicillin
- Write short notes on the followings (any three) : (3x5)**

i) Anti neoplastic drugs ii) Cardiac glycosides
iii) Sedatives & hypnotics iv) Antithyroid agents

