

Semester: 2nd Year

Branch: Pharmacy

Subject Name : Pharmaceutical Chemistry –II

Time Allowed : 3 Hrs.

MM: 80

Section -A

Note: Multiple Choice/Objective type questions. All questions are compulsory.

$$20 \times 1 = 20$$

- | | | |
|------|--|---------------------|
| | (a) Loop diuretics | (b) Antithyroid |
| | (c) Sulfonamide | (d) Antianginal |
| Q.16 | Promethazine belongs to class of | |
| | (a) Aminoalkyl ethers | (b) Phenothiazines |
| | (c) Propylamine | (d) Ethylenediamine |
| Q.17 | Sulphonamides inhibit synthesis of | |
| | (a) Ascorbic acids | (b) Folic acid |
| | (c) Lactic acid | (d) Malonic acid. |
| Q.18 | Heterocyclic structure present is in the penicillin | |
| | (a) Thiazole | (b) Pyrrolidine |
| | (c) Pyrazolidine | (d) Thiazolidine |
| Q.19 | Chemical substances increasing the rate of urine formation are | |
| | (a) Diuretics | (b) Tranquilizers |
| | (c) Antibiotics | (d) Sulphonamides |
| Q.20 | Bitter taste of chloramphenicol is masked by esterifying with | |
| | (a) Palmitate | (b) Oleate |
| | (c) Stearate | (d) Salicylate |

Section-B

Note: Short answer type Questions. Attempt any ten questions out of eleven questions.

10x3=30

- Q.21 Tell the functions and give the chemical structure of Chlorocresol.I
- Q.22 Give mechanism of action of local anesthetics.
- Q.23 Distinguish between phase I and Phase II reactions for metabolism of drug.
- Q.24 Interpret the term "Cardiac glycosides".
- Q.25 Give examples and therapeutic indications of anti-mycobacterials.
- Q.26 Loop diuretics may result in cardiac arrhythmias. Infer the statement.
- Q.27 Discuss IUPAC rules for nomenclature of organic compounds with examples.
- Q.28 Classify antihistamine drugs with example.
- Q.29 Discuss the nomenclature,chemical structure and uses of Diazepam.
- Q.30 Differentiate between the chemistry thyroxine and antithyroid drugs.
- Q.31 How do diagnostic agents assist management of different diseases?

Section -C

Note: Long answer questions. Attempt any six questions out of seven questions.

6x5= 30

- Q.32 Describe the chemistry, physical and chemical properties of adrenergic. Give the chemical structure and uses of Isoprenalinne.
- Q.33 Classify antibiotics on different basis. Discuss about aminoglycosidal antibiotics.
- Q.34 Tell about the nomenclature and chemical structure (a) Chlorpromazine (b) Chloroquine
- Q.35 Classify anti-neoplastic agents with example? Discuss the mechanism of action of alkylating agent along with their relative uses in treating the different types of neoplasms.
- Q.36 Discuss the nomenclature, chemical structure and uses of (a) Hyrochlorothiazide (b) Imipramine
- Q.37 How does anticoagulants prevent the bleeding of blood. Explain the chemistry and uses of Heparin.
- Q.38 Distinguish between
 - (a) Antiseptics and Disinfectants
 - (b) Cholinergic and Anticholinergics