

A-0571

Total Pages : 3

Roll No.

MCH-609

M.Sc. CHEMISTRY (MSCCH)

(Drugs and Pharmaceuticals-II)

4th Semester Examination, Session December 2024

Time : 2:00 Hrs.

Max. Marks : 35

*Note :- This paper is of Thirty Five (35) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. **Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

Section-A

Long Answer Type Questions $2 \times 9\frac{1}{2} = 19$

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half ($9\frac{1}{2}$) marks each. Learners are required to answer any *two* (02) questions only.

1. Explain Recombinant DNA Technology.
2. Explain the importance of enzymes and enzyme products in drug discovery.
3. What is the importance of glucosidase ? Explain the glucosidase inhibition.
4. Write a note on the classification of the nervous system.
5. Explain the effect of Drugs on the Adrenergic Nervous system.

Section–B

Short Answer Type Questions 4×4=16

Note :- Section 'B' contains Eight (08) Short-answer type questions of Four (04) marks each. Learners are required to answer any *four* (04) questions only.

1. What are the vaccines ? Explain its importance.
2. Define cholinergic agonist. Write the drugs acting as cholinergic antagonists.
3. Write short notes :
 - (a) Sodium channels
 - (b) Potassium channels.

4. Write a short note on Transcriptase enzyme inhibitors.
5. What are microbial agents ?
6. Write a short note on the history of fermentation of drugs.
7. What is genetic engineering ? Explain.
8. How will you obtain B-lactam antibiotics from the Fermentation method ?
