

S-458

Total Pages : 3

Roll No.

MCH-609

Drugs and Pharmaceuticals-II

M.Sc. Chemistry (MSCCH)

4th Semester Examination, 2022 (Dec.)

Time : 2 Hours]

[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.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.
(2×9½=19)

1. How the NMR and UV spectroscopy useful for the drug analysis?

2. Write short note on history of fermentation of drugs.
3. What is the importance of glucosidase? Explains the glucosidase inhibition.
4. Write a brief note on cholinergic receptors.
5. Write a brief note on scope and application of gene therapy.

SECTION-B

(Short Answer Type Questions)

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. (4×4=16)

1. What is Pfeiffer's rule?
2. What is the relationship between chirality and biological activity?
3. What is ADME study? Explain briefly.
4. Write short note on Transcriptase enzyme inhibitors.
5. What is the use of stable isotopes and heavy isotopes in drug analysis?

6. What are immunosuppressing agents? Give examples.
 7. Write the synthesis of epinephrine.
 8. Write a short note on sodium channels and potassium channels.
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