

S-454

Total Pages : 3

Roll No.

MCH-604

Drugs and Pharmaceuticals-I

M.Sc. Chemistry (MSCCH)

3rd 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. Explain the importance of enzymes and enzyme products in drug discovery.

2. Write an account on structure activity relationship studies of sulfonamides.
3. Discuss the role of drug design in drug discovery.
4. What is QSAR? Give the advantage and disadvantage of QSAR. Explain free Wilson analysis.
5. What are receptors? Explain the role of receptors in the regulation of physiological reactions.

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. Write a short note on drug design based on antagonism.
2. What are prodrugs? Write in brief the principles of prodrug design.
3. Define the resin. What are the resins used in combinatorial synthesis?
4. Write a short note on high throughput screening (HTS).

5. Enumerate the clinical properties of tetracyclines.
 6. Define analgesics. Give some examples.
 7. Explain briefly about the Houghton's Tea Bag procedure.
 8. Write a short note on the discovery of penicillin.
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