

A-074

Total Pages : 3

Roll No. -----

MCH-609

Drugs and Pharmaceuticals-II

M.Sc. Chemistry (MSCCH)

4th Semester, Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

Note : This paper is of Thirty five (35) marks divided into Two (02) Section 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)

Note : Section 'A' contains Five (05) long-answer-type questions of Nine and Half (9.5) marks each. Learners are required to answer any Two (02) questions only.

[2x9.5=19]

P.T.O.

- Q.1. What is the importance of proton pump? Explain the proton pump inhibition.
- Q.2. Write the structure of atropine and formulate the synthesis of it.
- Q.3. What is the importance of ACE? Explain the ACE inhibition.
- Q.4. What are the vaccines? Explain its importance.
- Q.5. Explain Recombinant DNA Technology.

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.

[4x4=16]

- Q.1. What are immunosuppressing agents?
- Q.2. What is ADME study? Explain briefly.
- Q.3. What is the use of stable isotopes and heavy isotopes in drug analysis?
- Q.4. What is the relationship between chirality and biological activity?
- Q.5. Write short notes on sodium channels and potassium channels.

- Q.6. What are the quality control methods in drug development?
- Q.7. What are the H₁ receptor antagonists? Give two examples and their structures.
- Q.8. What is process engineering? Explain briefly.
