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## WT-319-2024

## FACULTY OF SCIENCE

## M.Sc. (Second Year) (Fourth Semester) EXAMINATION

## **NOVEMBER/DECEMBER, 2024**

(CBCS Pattern)

ORGANIC CHEMISTRY

Paper XXIII (OCH-524)

(Medicinal Chemistry)

(Wednesday, 18-12-2024)

Time: 2.00 p.m. to 5.00 p.m.

Time—Three Hours

Maximum Marks—75

- Note := (i) Attempt all questions.
  - (ii) Figures to the right indicate full marks.
- 1. Solve any *three* of the following:

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- (a) Explain structure activity of 1, 4-dihydropyridines as calcium channel blockers.
- (b) Give synthesis and structure activity of Malphalan
- (c) Explain the drugs used to test kidney functions.
- (d) Discuss SAR of 4-amino quinoline derivatives.
- (e) Give synthesis and SAR of 6, 7-benzomorphans.

P.T.O.

of amitriptyline.

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- 5. (a) Discuss in brief about the manual of patent practices and procedures. 5
  - (b) Write short notes on any two:
    - (a) Ulcerative colitis
    - (b) Synthesis and structure activity of 6-mercaptopurine
    - (c) Synthesis and structure activity of pentothal sodium.

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