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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(CBCSS)

Forensic Science

FSC 3E 17—PHARMACOLOGY AND PHARMACEUTICAL DRUG ANALYSIS

(2020 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* of the following. Short Answer Type Questions. Weightage 2 :

- 1 Give the nature of Pharmacology.
- 2 What is meant by pharmacopeia ?
- 3 Write a brief on adverse drug actions.
- 4 Write a note on the action of hypnotics.
- 5 What are Designer Drugs ?
- 6 Write a brief on the Performance enhancing drugs in sports (Doping Issues)
- 7 Give the action of Antibacterial substances.

(4 × 2 = 8 weightage)

II. Answer any *four* of the following. Short Essay Type Questions. Weightage 3 :

- 8 Write a note on drug receptor mechanism.
- 9 Write a note on synergism in drugs.
- 10 Write a note on the consequences of bioaccumulation of drugs.
- 11 Describe the concept and mechanism of drug dependence.
- 12 Write a note on local anaesthetics.
- 13 Give the action mechanism of an typical antidepressant.
- 14 What are the common antiviral drugs ?

(4 × 3 = 12 weightage)

Turn over

III. Answer any *two* of the following. Long Essay Type Questions. Weightage 5 :

- 15 What is Pharmacodynamics ? Describe the factors effecting the action of drugs.
- 16 Why is drug concentration an important aspect in forensic toxicology ?
- 17 Write a note on CNS Stimulants and their pharmacodynamics.
- 18 What are Scheduled Drugs ? Give the importance of its falling under this class. Add a note on the Schedules in the Indian Pharmacopia.

(2 × 5 = 10 weightage)