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24-FS-24

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

FORENSIC SCIENCE

Paper - IV

[Forensic Toxicology and Pharmacology]

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

Note : Candidate should write his/her Roll Number at the prescribed space on the question paper.
Student should not write anything on question paper.
Attempt five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Define Toxicology. Discuss classification of poison on the basis of symptoms they produce. (15 Marks)

OR

- a) Discuss various routes of administration of poison.
- b) Discuss mode of action of poisons.

Q. 2 Write notes on following methods of extraction of poison. (15 Marks)

- a) Dry Ashing method.
- b) Wet digestion method.

OR

Write an essay on -

- i) Stas-otto method.
- ii) Head space procedure.
- iii) Tungstate method.

Q. 3 Write a note on collection and preservation of poison. (15 Marks)

OR

Write short notes on -

- i) Lead poisoning.
- ii) Copper poisoning.

P.T.O.

Q. 4 Write detailed notes on -

(15 Marks)

- i) Discuss estimation of ethyl alcohol in blood.
- ii) Physical properties of volatile poison.

OR

Write notes on -

- i) Carbon monoxide poisoning.
- ii) Phosgene poisoning.

Q. 5 Write a detailed note on pharmacokinetics of poison.

(15 Marks)

OR

Write short notes on -

- i) Nux Vomica Poisoning.
- ii) Cannabis Sativa Poisoning.

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