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25-FS-22

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
MAY - JUNE 2025**

FORENSIC SCIENCE

Paper - II

[Forensic Biology]

[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 all five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Explain in detail about following -

(5 Marks each)

- i) Difference between Mitosis and Meiosis.
- ii) Endoplasmic reticulum.
- iii) Chloroplasts.

OR

Write short notes on -

- i) Digestive System. **(7½ Marks)**
- ii) Reproductive System. **(7½ Marks)**

Q. 2 Write a detailed note on examination of blood and blood stains.

(15 Marks)

OR

Write notes on -

- i) Structure of Spermatozoa. **(7½ Marks)**
- ii) Any two test of preliminary examination of sperm. **(7½ Marks)**

Q. 3 Write a note on Facial reconstruction through various techniques including superimposition techniques. **(15 Marks)**

OR

Explain -

- i) Age determination by teeth in adult. **(7½ Marks)**
- ii) Identification of Skeletal remains in accidents. **(7½ Marks)**

P.T.O.

Q. 4 Explain about following and its forensic importance -

i) Palynology. (7½ Marks)

ii) Morphology of diatoms. (7½ Marks)

OR

Explain about various types of diatoms. How does its examination help in identification of Anti-Mortem and Post-Mortem downing ? (15 Marks)

Q. 5 Define Forensic Entomology. Explain insect succession on Corpse.

(15 Marks)

OR

Write short notes on -

i) Pug Marks identification. (7½ Marks)

ii) Protected and Endangered species of wildlife. (7½ Marks)

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