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24-FS-22

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

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

- Q. 1** Describe in details about the structural and functional properties of the following with labelled diagram (**any two**) - (15 Marks)
- i) Mammalian cell.
  - ii) Difference between animal and plant cell.
  - iii) Cell cycle.

**OR**

Write a short note on -

(15 Marks)

- i) Reproductive system.
- ii) Respiratory system.
- iii) Collection and preservation method of visceral samples of human's including body fluids.

- Q. 2** Write a detail note on Semen with highlighting its importance. (15 Marks)

**OR**

Write a short note on -

(15 Marks)

- i) Blood.
- ii) Examination technique of human body fluids.

- Q. 3** Explain the importance of odontology special reference to forensic identification with suitable diagram of human teeth. (15 Marks)

**OR**

**P.T.O.**

Write a short notes on -

(15 Marks)

- i) Facial reconstruction techniques.
- ii) Role of bones for identification.
- iii) A case study special reference to odontology.

**Q. 4** Discuss the types of diatoms with reference to Drowning and its examination process for forensic point of view. (15 Marks)

**OR**

Write a short notes on -

(15 Marks)

- i) Pollen Grains.
- ii) Identification of Micro organism.
- iii) Dendrochronology with forensic point of view.

**Q. 5** Describe wild life forensic, special reference to species identification techniques atleast five. (15 Marks)

**OR**

Explain entomology and its importance in forensic investigation.

(15 Marks)

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