

Roll No.

25-FS-41

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

**FORENSIC SCIENCE**

**Paper - I  
[Forensic Physics]**

*[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** Define Glass. Write composition and types of glass ? Explain forensic examination of glass in detail ? Define point and their composition and type and also explain one famous case study which shows the point importance ?

**OR**

Write about the fiber, types and forensic examination of fiber in detail ?  
Explain cement, types and forensic examination of cement ?

- Q. 2** Write a note on Restoration of erased marks and obliterated marks and their forensic importance in detail.

**OR**

Explain Tool marks. Write its type ? Explain individual and class characteristics. Also explain forensic examination of tool marks and their forensic importance ?

- Q. 3** Explain problems which occur during forensic examination of Speaker Authenticity ?

**OR**

Write a note on -

- i) Evaluation of speaker identification.
- ii) Analysis of audio video signal for authentication.

- Q. 4** Write a detail notes on Digital Imaging Technique ? Also explain photogrammetry and its types in detail.

P.T.O.

**OR**

Explain Photography and their different technique used in crime scene photography ? Explain special photography situation accident, surveillance and underwater ?

**Q. 5** Write a note on -

- i) Pearson square test.
- ii) Units of measurement and their conversion.
- iii) Measurement of central value - Mean - Mode - Median.

**OR**

Write a note on -

- i) Bay's theorem.
- ii) Chi square test, T-test, F-test.
- iii) Number system.

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