

B.Sc.(FS) Semester - 5 (CBCS) Examination**Oct/Nov - 2025 (NEW COURSE)****Forensic Physics(Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1 (A) Answer the following question very shortly. (04)
- 1) Write any two types of glass fractures.
 - 2) Define: Concentric fracture.
 - 3) The process of form the soil is known as _____.
 - 4) Write the types of weathering.
- Que. 1 (B) Answer any one in brief. (03)
- 1) Write note on soil profile.
 - 2) Explain Primary and Secondary glass fracture.
- Que. 1 (C) Answer any one in detail. (07)
- 1) Explain types of glass.
 - 2) Write a note on forensic examination of soil.
- Que. 2 (A) Answer the following question very shortly. (04)
- 1) Write types of tool marks.
 - 2) What is foot angle?
 - 3) Distance between the edges of tyre tread is known as _____
 - 4) What are skid marks?
- Que. 2 (B) Answer any one in brief. (03)
- 1) Explain skid marks with types.
 - 2) Write a note on Lifting of footprint.
- Que. 2 (C) Answer any one in detail. (07)
- 1) Write a note on Casting of footprint.
 - 2) Explain forensic examination of tool marks.
- Que. 3 (A) Answer the following question very shortly. (04)
- 1) The study of seal is known as _____
 - 2) Instrument used in measurement of gauge of wire is micrometre screw gauge. True or False?
 - 3) What is numismatic?
 - 4) Where is coin mint located in India?
- Que. 3 (B) Answer any one in brief. (03)
- 1) Write the composition of wires.
 - 2) How examination of seal is performed?
- Que. 3 (C) Answer any one in detail. (07)
- 1) Write a note on method of obliteration and method of marking in identification marks.
 - 2) Explain forensic examination of fibre in detail.

- Que. 4 (A) Answer the following question very shortly. (04)
- 1) Define: Pitch
 - 2) What is speaker identification?
 - 3) Human Vocal cord starts from glottis and end to _____.
 - 4) Give full form of - (I) SNR (II) FRR
- Que. 4 (B) Answer any one in brief. (03)
- 1) Write information obtained from person's speech.
 - 2) Explain uniqueness in person's voice.
- Que. 4 (C) Answer any one in detail. (07)
- 1) Write a note on voice production theory.
 - 2) Explain Audio -Video tape authentication.
- Que. 5 (A) Answer the following question very shortly. (04)
- 1) Write name of any two binders of paint.
 - 2) Write full form of - (I) CCD (II) CMOS
 - 3) Define Aperture in photography.
 - 4) How many coating surface is present in automobile surface?
- Que. 5 (B) Answer any one in brief. (03)
- 1) Write a component of paint.
 - 2) Explain cardinal rules of photography.
- Que. 5 (C) Answer any one in detail. (07)
- 1) Explain Digital photography in detail
 - 2) Write a note on collection and forensic analysis of paint.
