

B.Sc.(FS) Semester - 5 (Remedial) (CBCS) Examination
March/April-2023 (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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- Q-1 (A) Answer in short: 04
1. Write any two properties of glass.
 2. The process of form the soil is known as_____.
 3. The 4-R Rule is related with glass. True or False?
 4. Full form of DTA.
- Q-1 (B) Answer any one in brief: 03
1. How pH measurement of soil sample is done.
 2. Explain production of glass fracture.
- Q-1 (C) Answer any one in detail: 07
1. Briefly explain the type of soil.
 2. Write a note on forensic examination of glass.
- Q-2 (A) Answer in short: 04
1. Define: Tool mark.
 2. Write the chemical formula for Plaster of Paris.
 3. Name the casting material used for collection of footprints evidence.
 4. Define: Skid marks.
- Q-2 (B) Answer any one in brief: 03
1. Write the Importance of Tool Mark as evidence.
 2. Write the precaution for the preservation of footprints on crime scene.
- Q-2(C) Answer any one in detail: 07
1. Explain Forensic examination of footprints.
 2. Briefly explain skid marks & its examination.
- Q-3 (A) Answer in short: 04
1. Name the study of seal.
 2. Which technique is used to measure tensile strength of string?
 3. What is over stamping?
 4. Name the methods of obliteration.
- Q-3 (B) Answer any one in brief: 03
1. Explain the principle & scope for restoration of marks.
 2. How to determine genuine coin from a counterfeited coin.
- Q-3 (C) Answer any one in detail: 07
1. Write Forensic Examination of String/Rope.
 2. Write a note on different methods of marking & obliteration.
- Q-4 (A) Answer in short: 04
1. What is active articulatory & passive articulatory? With Example
 2. Write the types of video editing.
 3. Name the methods used for speech enhancement.
 4. Name the system take part in voice production.

- Q-4 (B) Answer any one in brief: 03
1. Explain Speech Segregation.
 2. Explain audio-video tape authentication.
- Q-4 (C) Answer any one in detail: 07
1. Explain the Voice Production Theory.
 2. Write the guidelines & precautions to be taken for the recording of speech sample for speaker recognition.
- Q-5 (A) Answer in short: 04
1. Full form: CMOS.
 2. _____ is used for analysis of the paint.
 3. Define Normal Lens.
 4. What is Crime Scene Photography?
- Q-5 (B) Answer any one in brief: 03
1. Explain the main components of Paint.
 2. Write a note on the categories of paint.
- Q-5 (C) Answer any one in detail: 07
1. Write a brief note on types of lenses.
 2. Explain the types of Cameras.
