

M.Sc.(F.S) Semester - 1 (CBCS) Examination
Nov/Dec - 2022 [NEW COURSE]
Fundamentals of Forensic Science (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)** What is the function of Forensic Science Laboratories? (04)
- Q.1 (b)** Answer any two questions out of three. (10)
- (1) Describe the contribution of Orfila to the development of Forensic Science
 - (2) Discuss the roles and responsibilities of Forensic Biologists in crime investigation.
 - (3) What is crime scene evidence? Differentiate between testimonial and physical evidence.
- Q.2 (a)** Mention the steps followed by you as an investigator to handle, preserve and transport a bulb-carrying fingerprint to the forensic laboratory. (04)
- Q.2 (b)** Answer any two questions out of three. (10)
- (1) Describe in brief the role of a first-arriving officer at the crime site
 - (2) Differentiate between:
 - a. Primary and secondary crime scene
 - b. Organized and Unorganized crimes
 - (3) Discuss various techniques used for crime scene sketching.
- Q.3 (a)** What is expert testimony? How experts are cross-examined? (04)
- Q.3 (b)** Answer any two questions out of three. (10)
- (1) Discuss the admissibility of polygraphs in Indian courts
 - (2) Briefly discuss the provisions made under the NDPS act 1985
 - (3) Explain section 65B of the Indian Evidence Act, 1872
- Q.4 (a)** Discuss the significance of the ANOVA test in the interpretation of the research data. (04)
- Q.4 (b)** Answer any two questions out of three. (10)
- (1) What do you understand by Stratified Random Sampling? Give examples
 - (2) Differentiate between:
 - a. Qualitative and Quantitative analysis of the results
 - b. Probability and non-probability sampling
 - (3) Mention different types of research that is conducted field of forensic science
- Q.5 (a)** List out the safety measure one should adopt while working in a forensic laboratory (04)
- Q.5 (b)** Answer any two questions out of three. (10)
- (1) Discuss the important measures to be adopted by forensic experts to ensure a proper chain of custody.
 - (2) Describe the significance of accreditation of the testing laboratory.
 - (3) Expand the term LIMS. Discuss some of its importance.
