



CBCS SCHEME

17BT752

Seventh Semester B.E. Degree Examination, Jan./Feb. 2021 Forensic Science

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain History and development of Forensic Science. (10 Marks)
b. Describe:
i) Physical science unit
ii) Biological science unit. (10 Marks)

OR

- 2 a. Define different organization of crime laboratory services. (10 Marks)
b. Explain functions and duties performed by each unit and lab. (10 Marks)

Module-2

- 3 a. Describe in detail analysis of physical evidence. (10 Marks)
b. Write a note on:
i) Digital videos
ii) Scanners (10 Marks)

OR

- 4 a. Explain in detail the role of digital cameras and forensic imaging. (10 Marks)
b. Write a note on:
i) Presenting pictures in court room
ii) Expert unit men (10 Marks)

Module-3

- 5 a. Describe Rigor Mortis and Livor Mortis. (10 Marks)
b. Write a note on:
i) Forensic Engineering
ii) Forensic Entomology (10 Marks)

OR

- 6 a. Explain the characterization and stain patterns of blood. (10 Marks)
b. Write a note on:
i) Toxicology of alcohol
ii) Characterization of semen (10 Marks)

Module-4

- 7 a. Describe Bayesian likelihood ratio in criminalistics. (10 Marks)
b. Explain in detail application of statistics in forensic science. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

OR

- 8 a. Explain general concepts and tools in Quality base of system. (10 Marks)
b. Write an account on modularization in forensic science. (10 Marks)

Module-5

- 9 a. Discuss the importance of professional ethics in forensic science. (10 Marks)
b. Explain the code of ethics for forensic science. (10 Marks)

OR

- 10 a. Describe the application of codes of ethics in forensic science. (10 Marks)
b. Explain ethical dilemmas and their resolution. (10 Marks)

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