



# CBCS SCHEME

15BT752

## Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020 Forensic Science

Time: 3 hrs.

Max. Marks: 80

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

### Module-1

- 1 a. Define Forensic science. Explain the history and development of forensic science. (10 Marks)
- b. What are the basic services provided by full service crime laboratory? (06 Marks)

**OR**

- 2 a. Define inquest and discuss on types of inquest. (10 Marks)
- b. Discuss in detail about organization of crime laboratory. (06 Marks)

### Module-2

- 3 a. Explain the methods of characterization of physical evidence. (10 Marks)
- b. Briefly discuss maintaining chain of control with digital images. (06 Marks)

**OR**

- 4 a. Write a short note on digital camera and forensic imaging. (08 Marks)
- b. Explain briefly about voice print analysis and finger printing unit. (04 Marks)
- c. What are Scanners and use their application in forensic science? (04 Marks)

### Module-3

- 5 a. What is forensic pathology? Write a note on Rigor Mortis, liver mortis and Algor mortis. (10 Marks)
- b. Explain the toxicology of alcohol. (06 Marks)

**OR**

- 6 a. Explain the characterization of blood stain patterns. (06 Marks)
- b. Write a note on bite mark analysis. (04 Marks)
- c. Explain the analytical techniques used in the detection of drugs. (06 Marks)

### Module-4

- 7 a. Explain Probability population and sampler. Describe the rules of probability. (10 Marks)
- b. Write a short note on Quality base system. (06 Marks)

**OR**

- 8 a. Write a note on :  
i) Role of statistics in forensic science ii) Quality base of system. (10 Marks)
- b. Discuss about knowledge based system in forensic science. (06 Marks)

### Module-5

- 9 a. Explain the development and code of ethics in forensic science. (10 Marks)
- b. Write a note on ethical delimas and resolution. (06 Marks)

**OR**

- 10 a. Discuss Professional ethics to science practitioner. (06 Marks)
- b. How ethical requirement impact the daily work of a forensic science? (06 Marks)
- c. Write a note on development of code of conduct. (04 Marks)

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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.