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10BT753

**Seventh Semester B.E. Degree Examination, June/July 2019**  
**Forensic Science**

Time: 3 hrs.

Max. Marks:100

**Note:** Answer any FIVE full questions, selecting atleast TWO questions from each part.

**PART – A**

- 1 a. Define Criminalistics. Explain the various legal procedures of forensic science. (10 Marks)  
b. Define Inquest and Explain different types of inquest. (10 Marks)
- 2 a. Describe the functions of the Physical science, Biological science and Fire arm unit of FSL. (12 Marks)  
b. Give an account on Document Examination Unit. (08 Marks)
- 3 a. Define Physical evidence. Explain the types of Physical evidences. (10 Marks)  
b. Explain the significance of digital videos and cameras in Forensic science. (05 Marks)  
c. Briefly describe the methodic search for physical evidence. (05 Marks)
- 4 a. Write a short note on Forensic Anthropology. (05 Marks)  
b. Explain in detail the different stages of decomposition of dead body. (10 Marks)  
c. Briefly explain the Finger print Technology. (05 Marks)

**PART – B**

- 5 a. Explain the characterization of Blood stains, Pattern and Preservation of blood evidence. (10 Marks)  
b. Give the role of Toxicologist in FSL. (05 Marks)  
c. Explain the characterization of semen. (05 Marks)
- 6 a. Define Probability. Explain the different types of probability. (10 Marks)  
b. Explain the Bayesian likelihood ratio in Evaluation of Evidence. (10 Marks)
- 7 Write a note on :  
a. Arithmetic and Logical operation. (10 Marks)  
b. Function and Procedures of Arrays. (05 Marks)  
c. Fire Processing. (05 Marks)
- 8 a. Explain the importance of Professional ethics for a Science Practioner. (10 Marks)  
b. Write a short note on code of ethics for forensic scientists. (05 Marks)  
c. Briefly describe the ethical dilemmas and their resolution. (05 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.