

*This question paper contains 2 printed pages.*

4667

Your Roll No. ....

**B.Sc. Prog. / III**

**AS**

EL 310 (iv) – FORENSIC SCIENCE

Time : 2 hours

Maximum Marks : 38

*(Write your Roll No. on the top immediately  
on receipt of this question paper.)*

*Attempt five questions in all.*

*Q. No. 9 is compulsory.*

1. Trace the history of development of forensic science laboratories in India. 7
2. What are fingerprints? Draw diagrams for three different types of patterns of fingerprints. 7
3. Define poisons. How are poisons classified on the basis of their origin and chemical nature? Give two examples of common poisons available in urban/rural household. 7
4. Which of the human bones can give clue about the age? Explain the features which are helpful in the determination of age of a person from any of the bones. 7
5. What is a questioned document? What are the

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characteristics of handwriting of a person which are helpful in comparison of a genuine document with a forged one? 7

6. What are tool marks? In what type of cases is a study of tool marks important? 7
7. What are trace evidence? What type of trace evidence can be available at the scene of crime where an explosion has occurred? 7
8. How is determination of blood-groups helpful in deciding paternity dispute or restoring a missing child to the lawful parents? 7
9. Write short notes on any *five* of the following:
  - (a) Narco analysis
  - (b) Security features of currency notes
  - (c) Cyber crimes
  - (d) Bite marks
  - (e) Comparison of inks
  - (f) Breathlyzer
  - (g) Voice comparison
  - (h) Somatoscopy. 10