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**Question Paper Code: R9B71**

B.E./B.Tech. DEGREE EXAMINATION, NOV 2025

Open Elective

R21UBM971 - FORENSIC SCIENCE

(Regulations R2021)

(Common to All Engineering Branches)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Explain the role of forensic scientist. CO1- U
2. Explain anthropometry. CO1- U
3. Summarize forensic report writing. CO1- U
4. List out the branches of forensic science. CO1- U
5. Illustrate the need for protection of crime scene. CO1- U
6. Differentiate white and blue collar crimes. CO1- U
7. Summarize the job responsibility of a crime scene investigator. CO1- U
8. Interpret blood splatter analysis in a crime scene. CO1- U
9. Define ballistic division in forensic science. CO1- U
10. Summarize Burglary in brief. CO1- U

PART – B (5 x 16= 80 Marks)

11. (a) How would you apply your knowledge of the early introduction of finger printing in India to explain its impact on present-day identification methods? CO4- Ana (16)
- Or
- (b) Analyze the organizational setup of forensic laboratories at center and state level. CO4- Ana (16)

12. (a) In what way could you apply forensic chemistry to analyze suspicious powders or explosive residues? CO2- App (16)
- Or
- (b) How would you apply the role of INTERPOL's databases to trace a criminal who has crossed international borders? CO2 -App (16)
13. (a) By analyzing the historical context, how do the origins of the BSF and Assam Rifles explain their current mandates and priorities? CO4- Ana (16)
- Or
- (b) Analyze in detail about the Organizational Structure of the State Police Department. CO4-Ana (16)
14. (a) Explain in detail the organization, evaluation and protection of crime scene. CO1- U (16)
- Or
- (b) Explain the process of capturing tyre impressions at a crime scene. CO1- U (16)
15. (a) Analyze the cause and investigation of a real time air crash case study. CO4- Ana (16)
- Or
- (b) In what ways can you analyze the significance of skid mark analysis and vehicle damage examination in reconstructing the sequence of a road accident?. CO4- Ana (16)