

LB330:CRIMINOLOGY & FORENSIC SCIENCE

A Part

1. Define Forensic Science
2. What is the meaning of Forensic Science
3. Write a short note on Anthropometry
4. Write a short note on Calvin Goddard
5. Write a short note on Francis Galton
6. Write a short note on Albert Osborn
7. Write a short note on Alec Jeffreys
8. List any four pioneers in Forensic Science
9. Write a short note on Karl Ladsteiner
10. Write a short note on Hans Gross
11. Write a short note on Edmond Locard
12. Write a short note on Mathieu Orfila
13. List the CFSLs in India
14. List any two uses of Scanning Electron Microscope
15. Write any two uses of Invisible Rays
16. List any two uses of Spectroscopy
17. List any two uses of Microscopes
18. Expand VSC with its uses in Forensic Science
19. Write a note on Sec. 45 of IEA
20. Explain Cortex
21. Explain Root of hair
22. Define Shaft of Hair
23. What is Medullary index?
24. Write a short note on collection of Fiber
25. Write a short note on Collection of Hair
26. Explain Cuticle
27. Explain Medulla
28. List any two types of Animal fibers
29. What are Mixed Fibers ?

30. Name any two types of Vegetable Fibers
31. List any two types of Synthetic fibers
32. What is Sliding Mark?
33. What is a Compression mark ?
34. List the types of tool marks.
35. What is Repetitive Cut Marks?
36. Define the term 'Ballistics'
37. What are Revolvers?
38. What are Smooth Bore weapons?
39. Explain the term 'FireArm'
40. Define Ballistics.
41. What are Shotguns?
42. What is a Barrel?
43. What are Rifled Bore Weapons?
44. What are Rifles?
45. What are Pistols?
46. What is Nitroglycerine?
47. What is a Primer?
48. What are Wads?
49. What is a Pellet?
50. What is Gun Powder?
51. What is a Cartridge?
52. Who is Alfred Nobel?
53. What are Propellents?
54. What is Bullet?
55. What is an Explosion?
56. Expand PETN and ANFO
57. Expand TNT and RDX
58. What is a 'Molotov cocktail' ?
59. What is a 'Detonator'?
60. Explain Detonation?
61. Expand GEQD and give its function

62. Explain the term 'Questioned Document'
63. Explain Traced Forgery
64. Explain the term 'Forgery'
65. What is Free Hand Forgery?
66. what is carbon paper tracing?
67. What is Indented tracing?
68. Write a short note on Handwriting Standards
69. Explain the term 'Watermark' with respect to currencies notes
70. What is a security thread with respect to Currencies notes
71. Explain the Photographic process of producing fake currency notes
72. Explain the term 'Counterfeit'
73. Explain the Lithographic process of producing fake currency notes
74. Explain the term 'Milling' with respect to counterfeit coins
75. Explain the 'Sound method' in detecting counterfeit coins

B Part

76. Write a short on Albert Osborn and Mathieu Orfila
77. Write a short on Hans Gross and Karl Ladsteiner
78. Write a short on Edmond Locard
79. Write a short on Francis Dalton and Alec Jeffreys
80. Write a note on Anthropometry
81. Explicate the Law of Analysis with suitable examples.
82. Explicate the Law of Individuality with suitable examples.
83. Explicate the Principle of Exchange with suitable examples.
84. Explicate the Law of Comparison with suitable examples.
85. Explicate the Law of Progressive Change with suitable examples.
86. Explicate the Law of Probability with suitable examples.
87. Give the organization of Directorate of Forensic Institutions.
88. Explain the functions of Central Forensic Science Laboratory.
89. Explain the functions of State Forensic Science Laboratory.
90. Explain the functions of Lie Detector Division
91. Explain the functions of Toxicology division

92. Explain the functions of Biology Division
93. Explain the functions of Ballistics divisions
94. Explain the functions of Document Division
95. Explain the functions of Serology Division
96. Explain the functions of Photography and Explosive Division
97. Explain the functions of Chemistry Division
98. Explain the functions of Physics Division
99. Explain the uses of Spectroscopy and Scanning Electron Microscopy
100. Explain the Uses of Microscopes in Forensic Investigation
101. Explain the uses of VSC and Invisible Rays in Forensic investigations
102. Explain the role of Expert in Criminal Investigation.
103. Explain How Hair examination helps the Investigator in solving crime
104. Explain the Inner structure of Hair
105. Explain the nature of Hair
106. Explain the Outer Structure of Hair
107. List the types of fibers & explain.
108. Explain the importance of Fibers
109. Explain the nature of Fiber
110. Write a note on types of Glass Fracures
111. Explain the techniques involved in Identifiication of Glass fragments
112. Explain different types Tool Marks
113. Explain the nature of soil
114. Write a note on collection of Soil
115. Explain the nature of Paints
116. Write a note on Importance of paints and tools in Forensic Investigation
117. Explain the examination of soil
118. Write a note on Examination of Paints
119. Write a note on Ammunition
120. Explain the different types of Ammunition
121. Explain Propellants
122. Write a note on Identification of Shooter with special consideration on GSR
123. Explain the procedure of Shooter Identification

124. Differentiate between Explosion and Detonation
125. Write a note on Improvised Explosives Devices (IEDs)
126. Write a note on Care and Handling of Documents
127. Explain in detail the types of Forgery
128. Explain the Factors affecting the Writing
129. Write a note on Writing material Identifications
130. Write a short on Handwriting Standards and how to obtain it from a suspect
131. Write a note on the methods employed to detect to Fake Currency
132. Explain the methods employed by counterfeiters to print counterfeit currency
133. Write a note on the process of minting of Genuine coins
134. Write a note on Detection of Struck Counterfeit coins
135. Write a note on Detection of Cast Counterfeit coins

C Part

136. List the Pioneers in Forensic Science with their contributions
137. Give an account of the History of Forensic Science
138. Explain in detail about the Principles of Forensic Science
139. Explain the functions of Various Divisions in a Forensic Science Laboratory
140. Explain in great detail about Important instruments in Forensic Science and its applications
141. Explain in Great detail about the Trace evidences and their aid in Forensic Investigation
142. Give an account of Hair Examination with Special interest on Outer and Inner Structure of Hair
143. Give an account of types of Fibers with explanation and Illustrate their aid in Forensic Investigation
144. Explain the Classification of Firearms based on Bore System and Functionality with suitable example
145. Explain in detail the identification of weapon, Cartridge case and Bullets
146. Give an account of the commonly used Explosives and ammunition
147. Explain the Classification of Explosives with chart and Examples
148. Give an account of the Questioned Documents division and its functions with special consideration to the identification of Handwritten documents
149. Explain in detail about the Types of Forgery and writing material Identification
150. Explain in great detail the Identification of Handwriting and the principles involved
151. Give an account of the characteristics of a Genuine Currency notes
152. Give an account of the identification of cast Counterfeit coins and Struck Counterfeit coins

D Part

E Part