





**PART B (10 x 2 = 20 Marks)**  
**(Answer not more than 40 words)**

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| 11. State the need for forensic science.                                       | CO1 [K <sub>2</sub> ] |
| 12. List any four techniques used in forensic science.                         | CO1 [K <sub>1</sub> ] |
| 13. Interpret the demerits of forensic samples.                                | CO2 [K <sub>3</sub> ] |
| 14. Write the principle of microcrystal tests.                                 | CO2 [K <sub>4</sub> ] |
| 15. What is raulax formation?  | CO3 [K <sub>1</sub> ] |
| 16. Differentiate common poison and antidote.                                  | CO3 [K <sub>4</sub> ] |
| 17. Can Pollen grains be used as biological evidence? Justify with an example. | CO4 [K <sub>4</sub> ] |
| 18. Restate the functions of blood.  | CO4 [K <sub>1</sub> ] |
| 19. Name any two enzymes used in forensic studies.                             | CO5 [K <sub>2</sub> ] |
| 20. How do you calculate the paternity index?                                  | CO6 [K <sub>2</sub> ] |

**Answer any FIVE Questions:-**  
**PART C (5 x 14 = 70 Marks)**  
**(Answer not more than 300 words)**

**Q.No. 21 is Compulsory**

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| 21. Explain the principle and application of trace evidence based on contact examination.                               | CO2 [K <sub>2</sub> ] |
| 22. Discuss the tools & techniques employed in forensic science.  | CO1 [K <sub>2</sub> ] |
| 23. Summarize the importance of hair and fibres as biological evidence in forensics.                                    | CO3 [K <sub>5</sub> ] |
| 24. Describe the composition, function and theory of inheritance for human blood.                                       | CO4 [K <sub>1</sub> ] |
| 25. Elaborate on the absorption-inhibition, elution and mixed agglutination techniques.                                 | CO4 [K <sub>3</sub> ] |
| 26. Illustrate the forensic significance of semen based on identification tests.  | CO5 [K <sub>4</sub> ] |
| 27. Appraise the biotechnological application in resolving parental disputes using serological and biochemical methods. | CO6 [K <sub>5</sub> ] |

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