

FORENSIC MEDICINE
PAPER-I

FRM/D/17/09/I

Time : 3 hours
Max. Marks : 100

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space
- Answer all the parts of a single question together.
- Start the question to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

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| 1. | a. Circle of Willis and its forensic importance.
b. Carotid triangle of neck. | 5+5 |
| 2. | a. Pressure abrasion.
b. Accidental strangulation. | 5+5 |
| 3. | a. Colour changes of contusion.
b. Various antidotes. | 5+5 |
| 4. | The case of death is due to poisoning but viscera chemical analysis report is negative. What are its forensic intricacies? | 10 |
| 5. | a. Dangerous injury.
b. Perjury. | 5+5 |
| 6. | a. Define brain stem death
b. Molecular death. | 5+5 |
| 7. | What is mitochondrial DNA? Write a note on its forensic importance. | 3+7 |
| 8. | What is embolism? How will you conduct postmortem in a suspected case of fat embolism? | 4+6 |
| 9. | How will you differentiate between human hair and animal hair? Discuss the medico-legal importance of hair. | 4+6 |
| 10. | Describe anatomy of female genital tract with a labeled diagram. How can you correlate this with the genital injuries sustained during sexual assault? | 4+6 |