

**FORENSIC MEDICINE****PAPER-IV**Time: 3 hours  
Max. Marks:100

FRM/J/20/09/IV

**Important Instructions:**

- 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 answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1. What is COVID-19? Discuss in details whether the COVID-19 disease, can spread the infection through deceased body. 4+6
2. Recent advances in postmortem forensic radiology. 10
3. How will use STR profiling from a placenta of abandoned baby in establishing the paternity? 10
4. What do you understand by Chemical, Biological, Radiological, Nuclear, and high yield Explosive (CBRN-E) Forensics? Discuss bioterrorism in detail? 5+5
5. a) Clinical Establishment Act 2015. 5+5  
b) Legal aspects of stem cell therapy.
6. Discuss the advantages & disadvantages of an autopsy by a board of doctors. What measures do you suggest for improvements of the system? 5+5
7. a) FTA cards. 5+5  
b) Negative autopsy.
8. a) Disaster Victim Identification (DVI). 5+5  
b) Role of Forensic doctors in Humanitarian Forensics
9. Describe the forensic significance of bone marrow. Give a note on the medicolegal implications of bone marrow harvesting, preservation, and transplantation. 10
10. What are the recent advancement in lie detection test? Write a note on its importance in investigation. 10

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