

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

FRM/J/20/09/I

**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. Describe the blood supply of heart. Outline the methods of postmortem and laboratory diagnosis of recent myocardial infarction. 4+6
2. Define brain stem death. Discuss Harvard's criteria. 5+5
3. a) HLA (Human Leukocyte Antigen) Typing. 5+5  
b) Forensic Entomology.
4. a) Medicolegal uses of trichology. 3+3+4  
b) Differences between human and animal hairs.  
c) DNA finger printing from hair sample.
5. a) Circle of Willis. 5+5  
b) Tattoo Mark.
6. Describe the anatomy of Thyroid. Discuss its medicolegal importance. 4+6
7. Describe the pathophysiology of Septicemic Shock. 10
8. a) Insulin synthesis. 3+3+4  
b) Exogenous insulin and its medicolegal importance.  
c) Postmortem glucose estimation.
9. Describe role of DNA profile and its application in medicolegal practice. 5+5
10. What are the basic elements of Hippocratic Oath? Discuss the key amendments reflected in the newly revised Hippocratic Oath. 4+6

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