



**FORENSIC MEDICINE**

**PAPER – I**

FRM/D/14/09/I

Time : 3 hours

Max. Marks : 100

**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.

1. What are the infections and their causative agents that can be transmitted to autopsy surgeons and their assistants during medicolegal postmortem examinations? How does a basic knowledge of microbiology help in the prevention and/or precaution in the safe conduct of these procedures? 5+5
2. How is the age of a myocardial infarct estimated by macroscopic and microscopic examination of the heart at and after autopsy? 10
3. What are Sheehan's hemorrhages? Briefly describe the conditions in which they are seen, the mechanism and theory of their production, and their importance if any. 4+(3+2+1)
4. What are fat emboli? Briefly outline the various theories regarding their origin, with the pros and cons of each. 2+8
5. Define "concussion". What are its aetiopathology, symptoms and signs, and sequelae? 1+(3+3+3)
6. What is activated charcoal? What is its utility and dosage in medical practice? 2+8
7. What are the methods of removal of absorbed poison from the body by enhanced renal excretion? Give the advantages, usage and contraindications for each. 10
8. Briefly describe the causes of sudden natural death in the central nervous system. 10
9. What is the mechanism of sudden unexpected natural death due to anaphylactic shock? Outline the procedure for the investigation of such a case. 5+5
10. Discuss the evolution of medicolegal work from pre -to post-Independence India. 10

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