

FORENSIC MEDICINE

PAPER-I

FRM/D/18/09/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.

Write short notes on:

1. a) Draw and label the diagram representing coronary arteries. 5+1+4
b) Which coronary artery is known as Widow maker?
c) Describe the finding in a case of sudden cardiac death due to acute coronary insufficiency.
2. a) Define forensic anthropology 1+3+2+4
b) How will you estimate stature of an individual from skeleton?
c) What are the indicators of child birth in skeleton?
d) What are the criteria for sex attribution in the adult skull?
3. a) Define and classify mechanical Injuries. 2+8
b) Define and describe characteristic features of
 - i. Self-inflicted wound
 - ii. Defense wound
 - iii. Offence wound
 - iv. Therapeutic wound
4. a) Define cerebral concussion. 2+8
b) Enumerate and describe types of skull fractures and their mechanisms.
5. Define, describe and critically analyze Audio Forensics. 10
6. Global development in Forensic Geology with its relevance in investigation of Homicides and Sexual violence. 10
7. Describe forensic bite mark analysis, its methodology, medico legal significance and evidential value. 2.5x4

P.T.O.

FORENSIC MEDICINE

PAPER-I

- | | | |
|-----|--|-------|
| 8. | Describe Brain Fingerprinting test, its scientific principles, various types of probes for conducting it, its value as an aid to crime investigation and evidential value for prosecution. | 2x5 |
| 9. | Define Forensic Entomology. Enumerate different species of Arthropods of importance, its importance and utility in crime investigation. | 2+8 |
| 10. | a) Define Forensic Microbiology.
b) What are its applications?
c) Write a short note on bioterrorism. | 2+4+4 |
