

M.B.B.S. THIRD PROFESSIONAL PART-I EXAMINATION, MARCH-2025**FORENSIC MEDICINE & TOXICOLOGY (F.M.T.)****[Time allotted: Three hours]****SET-A****[Max Marks: 100]****Q. 1. Multiple choice questions (Darken the single best response in OMR sheet. Time allotted 20 minutes) (20 x 01= 20)**

1. Secondary impact injury is best illustrated by:



2. Human hair is best represented by:



3. One of the following may contain hydrocyanic acid:



4. In one of the following regions a lacerated wound will look like an incised wound:



5. Even in poisoning by intravenous route, gastric lavage should be done in:



6. Hydrostatic test is related to:



7. Myoglobinuria is a feature related to:



8. Method of dissecting the stomach for examining the mucosa in poisoning cases is:

9. Post mortem staining is **not** seen:

- Dependent part
- Internal organs
- Pressure points
- Face

10. Pugilistic attitude is seen in:

- Burns
- Auto-erotic deaths
- Traumatic asphyxia
- Poisoning

11. WIDMARK formula is related to:

- Opium
- Alcohol
- Barbiturates
- Cyanides

12. False interpretation of an external stimulus is:

- Hallucination
- Delusion
- Impulse
- Illusion

13. A child dying during the process of delivery will be termed:

- Dead born
- Still born
- Macerated
- Sudden infant death syndrome

14. Pupils are constricted in poisoning by:

- Opium
- Datura
- Alcohol
- Cannabis

15. Punishment for rape is incorporated in?

- Sec. 44 IPC
- Sec. 174 IPC
- Sec. 320 IPC
- Sec. 376 IPC

16. Carbolurea is related to:

- Phenol
- Amphetamines
- Mercury
- Snakebite

17. Treatment of methyl alcohol poisoning:

- Naloxone
- Physostigmine
- Ethyl alcohol
- Bulky food

18. For sex determination, the best choice is:

- Skull
- Pelvis
- Femur
- Mandible

19. Splitting of fees by medical practitioners is known as:

- Res ipsa loquatur
- Conduct money
- Dichotomy
- Corpus delicti

20. Inability to procreate is:

- Sterility
- Impotence
- Frigidity
- Adultery

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Note: Attempt all questions in sequence.
Draw suitable diagrams (wherever necessary)

Q. 2. Give reasons why: (5 x 2 = 10)

- a. Dying deposition has more value than dying declaration
- b. Neck dissection is done last in a case of hanging
- c. Rifling is done in firearms
- d. Semecarpus anacardium is called “marking nut”
- e. Activated charcoal is used in poisoning cases

Q. 3. Problem based question: (4 x 2.5 = 10)

A dead body was recovered by the police from the edge of a village pond and sent for postmortem examination. The body was presumed to be of a young woman, married since 5 years and missing from her house since 5 days. On investigation it was found that the lady was abducted from her house and killed by drowning, after tying her hands and legs, in the pond by her husband and some other relatives.

- a. Who will hold inquest in this case and why?
- b. What external findings do you expect in this case?
- c. What sample will you collect and how for a diatom test?
- d. Give your comments on the nature of death (i.e. suicidal, homicidal or accidental)?

Q. 4. Write briefly: (4 x 6 = 24)

- a. Types of witnesses
- b. Abrasions
- c. Delusion
- d. Carbolic acid poisoning

Q. 5. Structured question: (2 x 10 = 20)

- i) Define poison and classify poisons.
- ii) Describe the signs, symptoms and management of a case of Organophosphorus poisoning.

Q. 6. Answer as indicated: (4 x 4 = 16)

- a. Write the differences between True and feigned insanity.
- b. List the characters of an ideal homicidal poison.
- c. Draw labeled diagrams of types of skull fractures.
- d. Draw a labeled diagram of the head of a cobra snake that will help in its identification.
