

May-2025**Forensic Medicine & Toxicology**

Time: Three Hours

Maximum Marks: 100

Attempt all questions in both sections.

Section-A**Q.1** Fill in the blanks:

- a. Tentative cut is indicative of _____
- b. In firearm injury, entry wound blackening is due to _____
- c. Death in judicial hanging is due to _____
- d. Legally abortion is termination of pregnancy before _____
- e. Minimum age a girl can give consent for sexual intercourse is _____
- f. Golden urine is seen in _____ poisoning

Q.2 Answer the following

- a. Best bone to assess age between 20-50 years is
 - i. Sternum
 - ii. Symphysis Pubis
 - iii. Skull
 - iv. Ribs
- b. Minimum quantity of blood required to be preserved for chemical analysis is
 - i. 10 ml
 - ii. 2ml
 - iii. 100 ml
 - iv. 50ml
- c. Which is true about stab wound
 - i. Length is maximum
 - ii. Breadth's maximum

- iii. Has entry & exit wound
- iv. Depth is maximum
- d. Gastric lavage turns black in presence of silver nitrate. Most probable poisoning is
 - i. Celphos
 - ii. Organophosphorus
 - iii. Parathion
 - iv. Malathion

Q.3 A 10 year old boy was brought to the emergency with a gunshot injury suffered during the celebratory firing in a wedding. On examination, a single entry wound about 1.2 cm in diameter was present on the right side of abdomen 2.5 cm above and lateral to umbilicus at 10' clock position.

- a. Classify firearms
- b. Describe in detail the entry wound with reference to abrasion collar
- c. Differentiate between the entry wound of a firearm versus entry wound in a stab injury
- d. Discuss in detail the wound ballistics in a case of rifled firearm

Section-B

Q.6 A 32 year old male while working in a garden near his home is bitten on his left leg by what he believes to be a common krait. He experiences immediate pain followed by swelling and some mild bruising at the bite site.

- Differentiate between poisonous & non-poisonous snakes.
- Describe the clinical manifestations occurring due to krait bite
- Describe the bedside tests done to diagnose such a case
- Discuss in detail the management of snake bite.

Q.7 Write briefly on (Any five)

- Documentary evidence
- Gustafson's method
- Primary impact injury
- Immersion syndrome
- Testamentary capacity
- Signs & symptoms of Dhatura poisoning

Q.8 Differentiate between (Any three)

- Artificial bruise & True bruise
- Ante mortem burns & post mortem burns
- Criminal abortion & Natural Abortion
- Civil negligence & Criminal Negligence

Q.9 Write briefly on (Any five)

- Postmortem caloricity
- Cafe coronary
- Positive signs of pregnancy
- Transvestism
- Universal Antidote
- Magnan's Syndrome

Q.10 Write short notes on (Any four)

- a. Infamous Conduct
- b. Valid consent
- c. MTP Act
- d. Management of OPC poisoning
- e. Negative Autopsy
- f. Superimposition

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