

SS/MBBS-III (Part-I)/1st IA/FM/07-24**2024****(July)****FORENSIC MEDICINE****Full Marks: 100****Time: 3 hours****The figures in the margin indicate full marks for the questions****Answer all questions**

1. A 22-year-old newly married girl was found in a hanging position in her bedroom using a Gamocha as ligature material yesterday at 7 AM. Her feet were touching the ground. Non-continuity was found just below the chin in the midline. Local police removed her body from the hanging position at 2 PM in the presence of an Executive Magistrate. Identify the type of hanging. What is the constricting force in this case? What are the causes of death in case of hanging? Describe both internal and external neck findings of hanging. Mention the probable positions of hypostasis in this case. (2+1+3+6+3=15)

2. An 11-year-old schoolgirl is reported to you with an alleged history of penetrative sexual assault. Her inner garments show the presence of stains at places. Describe in detail the procedure of examination of the girl. What are the samples to be preserved, and how should the samples be packed? Describe the importance of consent in this case. (7+6+2=15)

3. Write short notes on:**5x8=40**

- a) Estimation of the age of injury from abrasion.
- b) Rule of Nine and medicolegal importance.
- c) Terminal ballistics.
- d) Various intracranial haemorrhages.
- e) Lung findings of drowning during postmortem examination.

- f) Differentiate between incised and lacerated wounds.
- g) Heat stroke.
- h) Classification of poisons.

4. Answer in brief:**2x5=10**

- a) Entry wound of electrical injury.
- b) Dangerous weapon.
- c) Ligature mark of strangulation.
- d) Rifling.
- e) Trench foot.

5. A 56-year-old person is reported to the emergency in an unconscious state with an alleged history of ingestion of unknown poison. What are the steps to be taken to remove the unabsorbed poison from the body? How will gastric lavage be performed in this case? What are the samples to be preserved?

5+3+2=10

6. A 16-year-old girl has come to a gynaecologist with 9 weeks of pregnancy for MTP. Discuss the consent and medicolegal issues related to the case. 5

7. Choose the correct option:**1x5=5**

- i. Which of the following is not a grievous hurt?
 - a) Fracture of olecranon without dislocation of elbow joint
 - b) Dislocation of temporary lower central incisor tooth
 - c) Laceration of liver
 - d) Admitted in hospital for 25 days for fever

ii. A bullet entry hole shows burning, blackening, and tattooing. What is the range of fire?

- a) Close shot
- b) Muzzle contact shot
- c) Near range
- d) Distant range

iii. Rapidity of action in a poison is fastest in

- a) inhalational route
- b) intravenous route
- c) intramuscular route
- d) oral route

iv. Tailing of a wound is suggestive of

- a) antemortem wound
- b) direction of wound
- c) depth of wound
- d) None of the above

v. "Le Facie Sympathique" is found in which type of asphyxial death?

- a) Strangulation
- b) Hanging
- c) Mugging
- d) Garroting

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