

FORENSIC MEDICINE & TOXICOLOGY (FMT)

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

Q. 2. Give reasons: (1 x 4 = 04)

- a. Bloating occurs in a decomposing dead body.
- b. "Rule of Nines" is used in the treatment of burns.
- c. BAL is never administered by intravenous route.
- d. Copious amount of froth is seen in death due to drowning.

Q. 3. Problem based question: (1 x 4 = 04)

A young man died soon after he was shot at by a gangster in a crowded market place. The dead body was brought for postmortem examination. There was a round wound of 8mm diameter on the lower part of the front of left chest, which after thorough examination, was reported as a firearm entry wound. However, a swab from the surrounding skin was taken for further investigation. On internal examination two intact bullets were found, one lodged in a vertebral body and another lying loose within the soft tissue. Investigation, however, showed that only one shot was fired.

- a. How can the presence of two bullets inside the body be explained?
- b. What features could have helped in deciding that it was an entry wound?
- c. Why was a skin swab taken?
- d. What could have been the possible cause of death and why?

Q. 4. Write short notes on: (2 x 4 = 08)

- a. Types of abrasion
- b. Section 320 IPC
- c. Treatment of organophosphorus poisoning
- d. Impulse

Q. 5. (i) Describe the procedure of giving evidence in a court of law. Discuss the various types of witnesses. (04)

(ii) Discuss the types of antidotes. Outline the general principles of management of poisoning. (04)

Q. 6. Answer in brief: (2 x 4 = 08)

- a. Write the differences between impotence and sterility.
- b. What is meant when it is said that diatom test is positive?
- c. List the various types of mechanical asphyxia.
- d. Depict the dynamics of pedestrian injuries with the help of diagrams.

M.B.B.S. SECOND PROFESSIONAL EXAMINATION, APRIL-2021**FORENSIC MEDICINE & TOXICOLOGY (FMT)****[Time allotted: Three hours]****SET – A****[Max Marks: 40]****Q. 1. Multiple choice questions (attempt all MCQs in the allotted first 15 minutes in the OMR sheet) (½ x 16= 08)**

1. In exhumations the inquest is held by:
 - a. Police Inspector
 - b. Sub-Inspector
 - c. Magistrate
 - d. Police Surgeon
2. In suspended animation:
 - a. Signs of death are irreversible
 - b. Only signs of brain death are present
 - c. Body functions are reduced to a minimum
 - d. Death is usually due to hanging
3. One of the following is related to medical negligence:
 - a. Corpus delicti
 - b. Res ipsa loquitur
 - c. Compos mentis
 - d. Vagitus vaginalis
4. A photograph of the face is required in one of the following:
 - a. Gustafson's method
 - b. Galton's system
 - c. DNA profiling
 - d. Superimposition technique
5. One of the following is usually considered as a grievous hurt:
 - a. Parallel bruise
 - b. Defense wound
 - c. Hesitation cut
 - d. Vitrolage
6. A black eye due to contusion of the forehead is an example of:
 - a. False bruise
 - b. Ring bruise
 - c. Patterned bruise
 - d. Ectopic bruise
7. Not a feature of starvation:
 - a. Depletion of omental fat
 - b. Acetone like breath
 - c. Shrunken gall bladder
 - d. Glassy eyes
8. Sexual perversion in which the person wears the attire of the opposite sex is:
 - a. Transvestism
 - b. Frotteurism
 - c. Undinism
 - d. Eonism
9. Tailing in an incised wound indicates:
 - a. Degree of violence
 - b. Type of weapon
 - c. Direction of force
 - d. Extent of injury
10. Which is not a type of hymen?
 - a. Infantile
 - b. Annular
 - c. Imperforate
 - d. Filigree
11. A lacerated wound looks like an incised wound over:
 - a. Breast
 - b. Scrotum
 - c. Abdomen
 - d. Scalp
12. Child dying during labour is called:
 - a. Dead born
 - b. Still born
 - c. Macerated
 - d. Foeticide
13. Kleptomania relates to:
 - a. Delusion
 - b. Hallucination
 - c. Obsession
 - d. Impulse
14. Widmark's formula relates to:
 - a. Age of the fetus
 - b. Stature calculation
 - c. Ethyl alcohol
 - d. Cannabis
15. Cerberin and thevetin are found in:
 - a. White oleander
 - b. Yellow oleander
 - c. Calotropis
 - d. Pulmbago rosea
16. Morphine content of standardized opium is:
 - a. 2%
 - b. 5%
 - c. 10%
 - d. 20%