

## SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, JULY 2007

## FORENSIC MEDICINE

(New Scheme)

Time : Two Hours

Maximum : 40 Marks

*Answer all the questions.**Draw diagrams wherever necessary.**MCQs should be answered first in the response sheet provided.*

## Section A

- I. Multiple Choice Questions. Single response type 8 (separate sheet attached).  $(8 \times \frac{1}{2} = 4 \text{ marks})$
- II. Match the following. Single response type 8 (separate sheet attached).  $(8 \times \frac{1}{2} = 4 \text{ marks})$
- III. Short notes :
- 1 Leading Questions.
  - 2 Res Ipsa Loquitor.
- $(2 \times 1 = 2 \text{ marks})$
- IV. Add a note on :
- 1 Postmortem lividity.
  - 2 Dactylography.
  - 3 Joul's burns.
  - 4 Indecent assault.
- $(4 \times 1 = 4 \text{ marks})$
- V. Write short answers on :
- 1 Ligature mark.
  - 2 Treatment of organophosphorus poisoning.
  - 3 Types of skull fractures.

 $(3 \times 2 = 6 \text{ marks})$ 

## Section B

- VI. Enumerate the types of Mechanical Injuries. Classify their sub types. Write briefly the medicolegal importance of each type. What are the features of a fabricated injury ?
- $(2 + 2 + 4 + 2 = 10 \text{ marks})$
- VII. Write short notes on :
- 1 Hallusionations.
  - 2 Railway spine.
  - 3 Professional secrecy.
  - 4 Hostile witness.

 $(4 \times 1 = 4 \text{ marks})$ 

Turn over

VIII. Write short answers on :

- 1 Live birth.
- 2 Expected physical findings in a rape accused.
- 3 Cardiac temponade.

(3 × 2 = 6 marks)

## FORENSIC MEDICINE

## I. MULTIPLE CHOICE QUESTIONS

Note.—(1) *Do not write anything on the question paper.*

(2) *Write your register number in the answer-sheet provided.*

(3) *Select one most appropriate response and encircle the corresponding alphabet against each question number in the answer-sheet provided.*

1. Leading questions are not allowed in :

- |                           |                        |
|---------------------------|------------------------|
| (A) Police interrogation. | (B) Chief examination. |
| (C) Cross examination.    | (D) Question by Judge. |

2. The earliest external sign of putrefaction is :

- (A) Bluish discoloration of nails and lips.  
 (B) Bluish purple discoloration at back.  
 (C) Greenish discoloration at right iliac fossa.  
 (D) Black discoloration at groin.

3. Barr bodies are used for determining the :

- |           |              |
|-----------|--------------|
| (A) Race. | (B) Sex.     |
| (C) Age.  | (D) Stature. |

4. Which of the following are not a feature of entry wound by a close range firearm ?

- |                |                 |
|----------------|-----------------|
| (A) Singing.   | (B) Blackening. |
| (C) Wrinkling. | (D) Tattooing.  |

5. Split laceration are seen on the following areas **except** :

- |                    |                           |
|--------------------|---------------------------|
| (A) Scalp.         | (B) Maxillary prominence. |
| (C) Back of thigh. | (D) Front to knee.        |

6. Failure of Hypothalamic heat regulation centre occurs in :

- |                       |                   |
|-----------------------|-------------------|
| (A) Heat cramps.      | (B) Heat stroke.  |
| (C) Heat prostration. | (D) Heat Syncope. |

7. The term burking refers to :

- (A) Smothering and choking.  
 (B) Smothering and gagging.  
 (C) Smothering and traumatic asphyxia.  
 (D) Smothering and throttling.

8. The immunological test for pregnancy detect the presence of :

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| (A) Human chorionic hormones.      | (B) Human chorionic gonadotropin. |
| (C) Human chorionic corticotropin. | (D) Human chorionic luteotropin.  |

(8 × ½ = 4 marks)

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## FORENSIC MEDICINE

II. Match the following :—

- |                   |                                       |
|-------------------|---------------------------------------|
| A 1 Hallucination | (a) Falls belief which is not a fact. |
| 2 Dellusion       | (b) Irresistable desire.              |
| 3 Illusion        | (c) Falls sence of perception.        |
| 4 Impulse         | (d) Falls interpretation of facts..   |

Following Pupillary changes are seen in :

- |                    |                       |
|--------------------|-----------------------|
| B 1 Miosis         | (a) Alcohol.          |
| 2 Midriasis        | (b) Organo phosphate. |
| 3 Hippus           | (c) Datura.           |
| 4 Delayed reaction | (d) Aconite.          |

(8 × ½ = 4 marks)