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(Pages : 2 + 1 + 1 = 4)

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Name.....

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**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 × ½ = 4 marks)
- II. Match the following. Single response type 8 (separate sheet attached). (8 × ½ = 4 marks)
- III. Short notes :
- 1 Leading Questions.
  - 2 Res Ipsa Loquitur.
- (2 × 1 = 2 marks)
- IV. Add a note on :
- 1 Postmortem lividity.
  - 2 Dactylography.
  - 3 Joul's burns.
  - 4 Indecent assault.
- (4 × 1 = 4 marks)
- V. Write short answers on :
- 1 Ligature mark.
  - 2 Treatment of organophosphorus poisoning.
  - 3 Types of skull fractures.
- (3 × 2 = 6 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 marks)
- VII. Write short notes on :
- 1 Hallusionations.
  - 2 Railway spine.
  - 3 Professional secrecy.
  - 4 Hostile witness.

(4 × 1 = 4 marks)



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VIII. Write short answers on :

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

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(3 × 2 = 6 marks)



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## 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.

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(8 × ¼ = 4 marks)



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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) Acovite           |

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(8 × ½ = 4 marks)