

**2206000103040001**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF MEDICINE AND BACHELOR OF SURGERY**  
**(THIRD PART-1)**  
**FORENSIC MEDICINE AND TOXICOLOGY - LEVEL 4**

[Time: As Per Schedule]

[Max. Marks: 100]

**Instructions:****1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **BACHELOR OF MEDICINE AND BACHELOR OF SURGERY (THIRD PART-1)**
- b. Name of the Subject : **FORENSIC MEDICINE AND TOXICOLOGY - LEVEL 4**
- c. Subject Code No : **2206000103040001**

2. Draw table or diagram wherever it is needed.

3. Figures to the right indicate full marks of the question.

4. All questions are compulsory.

5. There are two sections in this question paper. Answer both the sections in separate answer sheets.

6. Write answers according to the question only. Writing anything which is not asked won't be counted for Marks.

Seat No:

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Student's Signature

**SECTION – I**

**Q.1** Define Asphyxia. Classify it. Enumerate various causes of Death following Hanging. Write post mortem findings in case of death following typical Hanging. (1+2+2+5 Mark) **1\*10=10**

**Q.2** Case based scenario/ Applied Questions. (Write any 2 out of 3) **2\*6=12**

- 1) A 28-year-old female presents to emergency with a history of accidental flame burns, an hour back while cooking food. On examination, she was found to have burn injuries over both upper limbs, upper part of front of abdomen, front of whole chest, neck, and face. Based on above information,

- a. Calculate the percentage surface area burnt.

**1**

- b. How will you confirm that burn injury is due to dry flame and not due to the fall of hot liquid? 2
- c. Enumerate various causes of death following burns. 3
- 2) A 30 year old male presents to casualty with multiple injuries over the head caused allegedly from assault by many people using hard and blunt weapons. In such a case:
  - a. What are the various possible injuries found? What features help differentiate a lacerated wound from incised wound? 2
  - b. What criteria are used to opine an injury as grievous? 2
  - c. What do you mean by Dangerous Weapon? Give examples. 2
- 3) A 10 yrs old boy brought to casualty by police officer having alleged history of forceful unnatural sexual assault by his neighbor. In present scenario,
  - a. Mention findings of general & local examination to confirm her alleged history. 4
  - b. Enlist the samples to be collected & test to be performed which helps in solving the crime. 2

**Q.3 Short notes (Write any 4 out of 5)****4\*4=16**

- 1) Signs of recent delivery in a living female.
- 2) Fingerprint
- 3) Firearm Cartridge
- 4) Indication, Rules & Regulation & New Amendments of MTP Act.
- 5) Dying Declaration

**Q.4 Give answer in two or three sentences. (Write any 6 out of 7)**

**6\*2=12**

- |                         |                    |
|-------------------------|--------------------|
| 1) Suspended Animation  | 2) Virtopsy        |
| 3) Falanga Vs Telephano | 4) Flail Chest     |
| 5) Atavism              | 6) Stillborn Child |
| 7) Exhumation           |                    |

## SECTION – II

**Q.5 Describe measures to be undertaken to prevent spread of snake venom in case of snake bite on a lower limb. What are the clinical features (local and general) in case the bite is by a viper snake? What is its management?**

**1\*10=10**

(2+4+4 Mark)

**Q.6 Case based scenario/ Applied Questions. (Write any 2 out of 3)**

**2\*6=12**

- 1) A 30-year-old male is brought to emergency in an inebriated state for treatment.
  - a. What features would suggest it to be a case of methyl alcohol poisoning? **3**
  - b. What are the various treatment methods available for the same? **3**
- 2) A man appearing to be in his 40 was found wandering for past 2-3 days on busy street of your city and he was involved in acts of stone pelting at passerby. On reporting to the police, they arrived to the scene and found that person is mentally unsound. He was brought by police officer for examination of his mental illness. In such scenario,
  - a. How will you diagnose that it's a case of insanity? **3**
  - b. What are the various civil and criminal responsibilities of mentally ill person? **3**

3) During laparotomy procedure, the operating surgeon forget to remove scissor and cotton gouge piece from abdominal cavity. In the present scenario

- a. Which type of doctrine it is? Enumerate other examples of such doctrine 2
- b. What are the legal action taken against doctor? 2
- c. What are the various defenses available against negligence? 2

**Q.7 Short notes (Write any 4 out of 5) 4\*4=16**

- 1) Hydrargyris
- 2) Functions of National Medical Commission
- 3) Delusion
- 4) Gastric Lavage
- 5) Euthanasia

**Q.8 Answer in two or three sentences (Write any 6 out of 7) 6\*2=12**

- 1) Coma Cocktail
- 2) Truth Serum
- 3) Meetha Zeher
- 4) Privileged Communication
- 5) Body Packers Syndrome
- 6) LSD
- 7) Difference between Red & Yellow Phosphorus

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