

**RAN-2406000103010501**
**T.Y.M.B.B.S. (Part - I) Examination November - 2025**
**Forensic Medicine and Toxicology (New) : Effective from 2023-24**
**Time: 3 Hours ]**
**[ Total Marks: 100**
**સૂચના : / Instructions**

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the above details on your answer book
- (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.:

     

Student's Signature

**Section - I**

- Q. 1** Define identity. Enumerate various parameters used for identification. Write in detail about dactylography. (1+3+6) **1×10 =10**
- Q. 2** **Applied Questions. (Write any 2 out of 3)** **2×6=12**
1. A 3 year old child is brought to casualty by his mother with alleged history of accidental trauma. On examination there is a laceration over lips and multiple butterfly with one wing shaped bruises over face. There are multiple injuries with different stages of healing on the body seen at places.
    - a) Above findings are suggestive of which- condition? (1)
    - b) Which other injuries are also possible in such cases? (2)
    - c) Which radiological findings are observed in such cases? (2)
    - d) What is infantile whiplash syndrome? (1)
  2. A 23 year old boy sustained head injury during road traffic accident. He was declared brain stem death. His relatives want to donate his organs. Answer the following questions.
    - a) How will you diagnose brain death? (2)
    - b) Who will certify the brain death? (1)
    - c) What is retrieval time limit for different organs to be donated? (2)
    - d) What is organ swapping? (1)
  3. A 32 year old male is brought to casualty with alleged history of quarrel with neighbour & being assaulted by cricket-bat On examination multiple injuries found on body. Give following answer.
    - a) Define injury? (1)
    - b) Which type of injuries are possible on the body? (2)
    - c) How will you calculate time since injury in such cases? (3)

- Q. 3**      **Short notes (Write any 4 out of 5)**      **4×4 = 16**
1. Medico legal aspect of Artificial insemination.
  2. Conditions simulating rigor mortis.
  3. Skull fractures
  4. Postmortem findings of drowning.
  5. Write differences between parous & nulliparous uterus.

- Q. 4**      **Give answer in two or three sentences. (Write any 6 out of 7)**      **6×2=12**
1. Define perjury
  2. Importance of Barr Bodies
  3. What is joule burn?
  4. Spalding's sign
  5. Hemin crystal test
  6. Buggery.
  7. What is an expert witness?

### Section - II

- Q. 1**      Define & classify poisons. Write in detail about duties of RMP in a suspected case of poisoning. (1+4+5)      **1×10=10**

- Q. 2**      **Applied questions. (Write any 2 out of 3)**      **2×6=12**

1. Surgeon performed a laparotomy operation under influence of alcohol. Luckily the patient didn't suffer any harm. Later, relatives and patient came to know about this conduct and behavior of surgeon. They want to take actions against the surgeon.

**Answer the following questions.**

- a. Which type of conduct is it called as? (1)
  - b. Enumerate other examples of such conduct. (2)
  - c. Where should the patient and relative file complaint? (1)
  - d. What actions can be taken against the doctor? (2)
2. A 30 year old female an IT professional, is arrested by police for charge of murder. She is being brought to you for medical examination. On history taking she confessed that she is suffering from mental illness, and she did not remember anything about the incidence.
    - a) What is right or wrong test? (2)
    - b) Differentiate true & feigned insanity (3)
    - c) What is lucid interval? (1)
  3. A 36 year old farmer brought to casualty in drowsy state with alleged history of consuming unknown substance 6 hours back, on examination pupils are pin point, excessive lacrimation and salivation.
    - a) What is your probable diagnosis? (1)
    - b) Which laboratory test will confirm your diagnosis? (1)
    - c) How will you treat this patient? (4)

- Q. 3**      **Short notes (Write any 4 out of 5)**      **4×4=16**
1. Privileged communication.
  2. Write in detail about delusion and its types.
  3. Carboluria
  4. Hydrargyrism
  5. Clinical features & management of Carbon Monoxide poisoning

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

**6×2=12**

1. What is run amok?
  2. Enlist four names of arrow poisons.
  3. What is agoraphobia?
  4. What is xanthoproteic reaction?
  5. Write names of date rape drugs
  6. What is Truth serum?
  7. What is Novus Actus Interveniens?
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