

# Question Paper

Exam Date & Time: 17-03-2023 (10:20 AM - 01:00 PM)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**THIRD PROFESSIONAL YEAR MBBS DEGREE EXAMINATION – MARCH 2023**  
**SUBJECT: FORENSIC MEDICINE & TOXICOLOGY**  
**(CBME BATCH – REPEATER)**

Marks: 80

Duration: 160 mins.

**Answer all the questions.**

**Illustrate with neat, labelled diagrams wherever appropriate.**

**Essays:**

1. Dr X, a well known neuro surgeon performed emergency craniotomy in a patient who sustained severe head injury in a case of road traffic accident under the influence of alcohol. After the surgery, the neuro surgeon counsels the relatives regarding patient's condition. The relatives perceived alcoholic odour emitting from surgeons mouth. They lodged a complaint to the State Medical Council (SMC) stating that "surgeon has performed the surgery under the influence of alcohol".
  - 1A) Mention and Define the act/ behaviour the neurosurgeon is liable for. (3)
  - 1B) Describe briefly the procedure followed by SMC after receiving the complaint against the surgeon. (4)
  - 1C) Discuss the various Disciplinary action against the neurosurgeon by SMC. (3)
  
2. A 12 wks pregnant lady from rural area was brought dead to the casualty with blood clots and fragments of products of conception in her undergarments. On examination, there was a blood stained wooden stick with cotton cloth stuffed inside the vagina. History revealed that an untrained dai had inserted cotton cloth mixed with turpentine oil to induce abortion without her Consent
  - 2A) From the above findings, Mention the cause of death and type of abortion in this case. (2)
  - 2B) Mention the relevant IPC section the above case is booked under. (2)
  - 2C) Discuss the medical complications in such type of abortion. (3)
  - 2D) Describe the relevant autopsy findings in such type of abortion. (3)
  
3. **Write briefly:**
  - 3A) A male dead body was recovered in the forest with sitting posture, rigid with flexion at both knee and elbow joints. Explain the above condition with its medicolegal significance. (4)
  - 3B) The main cook of the hostel was suffering from Typhoid fever. Explain the situation where the doctor is bound by the law to divulge the information to the authorities. (4)
  - 3C) A case of self-accidental firing by a watchman. On examination the entry wound had singeing, grease and abrasion collar. Identify the weapon and explain on the range of firing in the above case. (4)
  - 3D) Explain Various Dissection techniques used at Autopsy. (4)
  - 3E) A case of acid attack over a young girl, resulting in complete disfiguration of the face. Identify the IPC section the accused is booked and Discuss various clauses of that IPC section. (4)

- 3F) A female dead body with tenacious froth around the nostrils and oral cavity was recovered from the well. Identify the type of drowning and explain the pathophysiology of death in such situation. (4)
- 3G) A young individual with head injury was brought to casualty in an unconscious stage. He regains his consciousness and within 24 hrs he slips into deep coma. Interpret the above condition with relevant Medicolegal importance. (4)
- 3H) Discuss Intersex and its medicolegal significance. (4)
- 3I) Discuss Different types of restraint of a mentally ill person. (4)
- 3J) A young individual presented to the casualty with acute loss of hair, garlicky odour from the mouth and rice water stools. Identify the poison and elaborate on Diagnosis, treatment and post-mortem findings. (4)
- 3K) In a crime scene of assault, there were presence of blood stains and red color vegetable stains. Discuss on various test to confirm that red color stains were those of human blood. (4)
- 3L) A farmer with h/o snake bite on his lower limb was referred to tertiary hospital. On examination he had epistaxis and bleeding from the gums. Identify the snake and outline the management in such cases. (4)
- 3M) A case of suicidal hanging was registered in the nearby police station. Explain the type and procedure of conduction of inquiry in such unnatural deaths. (4)
- 3N) A case is posted for appendectomy. Explain the type and procedure of taking permission from the patient before conduction of the surgery. (4)
- 3O) Discuss Legal, ethical and social aspects of 'Do not resuscitate'. (4)

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