

Question Paper

Exam Date & Time: 11-Jan-2023 (10:20 AM - 01:00 PM)



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

Marks: 80

Duration: 160 mins.

Answer ALL questions.

Essays:

1. An unconscious victim of road traffic accident brought to the casualty regained his consciousness while being examined and after few hours again goes into state of unconsciousness. The radiological examination detected fracture of the skull and intracranial hemorrhages. Analyze the scenario and answer the below questions.
 - 1A) Describe in detail the most probable intracranial lesion with source of bleeding and scenarios leading to this condition. (4)
 - 1B) Enumerate the various types of fractures of the skull in such cases. (3)
 - 1C) Explain the medico legal significance of this lesion. (3)

2. A 60 year old man working in the paint manufacturing industry since 20 years was brought to the physician with history of abdominal pain, metallic taste, fatigue and mental dullness. Lab investigation revealed basophilic stippled red blood cells.
 - 2A) Diagnose the above clinical condition. (1)
 - 2B) Explain the other clinical features and investigation in this type of poisoning. (3)
 - 2C) Explain the management of this case. (4)
 - 2D) Mention the medico legal importance of the above poisoning. (2)

3. **Write briefly:**
 - 3A) A newly married female was admitted after she was forcibly immolated by her husband. The deceased developed complications and was in the verge of dying. Explain the process of recording the events by the investigating officer that led to her present condition. (4)
 - 3B) Court has started the process of hearing a murder case. Explain the process of inviting the witness to the court in this case and the punishments if the witness fails to attend the proceedings. (4)
 - 3C) Explain medico legal importance of variations of putrefaction. (4)
 - 3D) Discuss the advantages and disadvantages of using only radiological procedure for postmortem examination. (4)

- 3E) Victim has suspended himself using a rope and the legs were touching the ground, describe the type of hanging and explain the pathophysiology of death in this case. (4)
- 3F) Skeletal remains were found in the secluded place, describe the best diagnostic technique used for definitive identification if close relatives are available for comparative analysis. (4)
- 3G) Describe the fracture sustained by the victim of road traffic accident when struck by the front of the vehicle and mention its medico-legal importance. (4)
- 3H) Describe the Medico-legal Aspects of Pregnancy and Delivery. (4)
- 3I) Girls less than 18 years were being used for illegal sexual activity. Describe the Act in Indian law under which the accused will be punished and procedure of collection of evidence in this case. (4)
- 3J) Doctor has paid premium for the insurance used for monetary compensation in cases of professional negligence. Discuss about the particular insurance in this case. (4)
- 3K) Enumerate and discuss any four acts mentioned in warning notice which will attract disciplinary action. (4)
- 3L) Discuss and give some examples for cases where facts of the cases are sufficient to conclude it as a case of negligence. (4)
- 3M) Patient after undergoing surgery was advised to keep the wound clean and regular dressing was advised which the patient failed to follow and led to postsurgical complications. Discuss the type of negligence in this case with some more examples. (4)
- 3N) A middle-aged farmer by profession was brought to the casualty in a disoriented state and the breath had kerosene like odor. On investigation cholinesterase levels were low. Describe the clinical features and management of the case. (4)
- 3O) Discuss the medicolegal implications of failure to disclose medical errors. (4)

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