

**Third Professional MBBS Part – I Degree Examination**

**Forensic Medicine & Toxicology**

**Time:3 Hours**

**Total Marks 100**

*Answer all questions*

*Draw diagrams wherever necessary*

**I. Long Essay Question (Modified Essay Question)**

**(2x15=30 Marks)**

1. During autopsy on the body of a middle-aged man recovered from a lake, body was found stiff except for jaws and neck and greenish discoloration appreciable in the right iliac fossa. Answer the following:
  - a) Estimate the approximate time since death from the above external features mentioned
  - b) Explain briefly the mechanism of the observed stiffness of the body parts
  - c) Discuss briefly the other postmortem changes which can be observed at this post mortem interval
  - d) Compare and contrast the reason for other causes of stiffness (3+3+6+3)
2. A group of people consumed alcohol from same shop admitted with severe abdominal pain, nausea, vomiting and dimness of vision.
  - a) What is the most probable diagnosis and give fatal dose?
  - b) Explain the mechanism of action.
  - c) Outline the management and explain the principle behind the use of antidote.
  - d) Enlist the CNS complications of chronic alcoholism (2+4+5+4)

**II. Short Essays:**

**(5x8 = 40 Marks)**

3. Define “Intersex”. Add a note on the medico-legal issues associated with it.
4. Elaborate on the “Evidence Collection” from a child victim of sexual offence.
5. A 10-year-old girl was brought to the casualty with suspicion of homicidal poisoning. Explain the medico legal duties of the doctor.
6. A lady is brought to the casualty with flame burns. Explain how the area of body involved can be calculated and causes of death in such cases.
7. Differentiate between hanging and ligature strangulation.

### III. Short Answers

(5x4 = 20 Marks)

8. Explain the procedure of recording of dying declaration.
9. Enumerate and explain the components of medical negligence.
10. Define delusion and enlist its different types
11. Informed consent
12. A doctor divulges the HIV status of a man to his spouse. Analyse ethical aspects of the situation

### IV. Give precise responses

(10x1=10 Marks)

13. An artery forceps is left behind in the abdominal cavity of a patient following surgery. Name the doctrine involved in this scenario.
14. The forensic surgeon confirms ante-mortem hanging by examination of the eye. Describe this particular eye finding.
15. Define "Medical ethics"
16. A person feels that bugs are crawling on his body; name the condition and one substance of abuse which causes this.
17. A person trapped under a collapsed building showed sub-conjunctival hemorrhage, Congestion of upper part of the body and pallor of the lower part. Identify the condition.
18. Enlist the types of fingerprint patterns.
19. The doctrine where the employer is responsible for the negligent act of employee.
20. Father of medical Toxicology.
21. Two contra indications of stomach wash.
22. Two medical reasons for getting a negative chemical analysis report in case of poisoning.