

015/24

**The West Bengal University of Health Sciences**  
**MBBS 3rd Professional Part-I Examination (New Regulation),**  
**August 2024**

**Subject: Forensic Medicine & Toxicology****Full Marks: 100****Time: 3 hours**

*Attempt all questions. The figures in the margin indicate full marks.*

1. a) A 30 year old male painter by occupation, presents to the Emergency Department with history of vomiting, headache, visual disturbances, restlessness and convulsion. On examination, patient is anemic with facial paleness, blue line on the gums and left wrist drop.

i) What is your provisional diagnosis?

ii) Explain the various clinical manifestations of the suspected poison.

iii) Discuss in detail about treatment protocol in a case of acute poisoning by the same.

iv) What are the samples you will preserve during autopsy in such a case? 5+5+2+3

b) Define Infamous Conduct in medical practice. Briefly describe any eight examples. Differentiate between Infamous Conduct and Professional Negligence. Define professional death sentence with mention of types. Outline the procedure of taking disciplinary action by State Medical Council against a registered medical practitioner. 2+4+3+2+4

2. a) Define abrasion. Mention four types of abrasions with example. Mention four medicolegal importances of abrasion which makes it medicolegally more informative than a bruise. 2+4+4

b) Classify injuries. How will you differentiate between Ante mortem wounds from Post mortem wounds during autopsy? Discuss the causes of death from wounds. 2+4+4

c) What is hallucination? Enumerate different types of hallucinations with examples. Write a brief note on the criminal responsibility of a person who is suffering from mental illness. 1+4+5

3. Write short notes on the following: 2 x 5

a) Criteria of declaring 'brain stem death' in India.

b) The roles of an Indian Medical Graduate (IMG).

4. Explain the following statements: 5 x 4

a) One gunshot wound of entrance may have multiple exit wounds.

b) Rape is not medical opinion.

c) All murders are culpable homicide but all culpable homicides are not murder.

d) Sigmoid shaped cooling curve is found in Algor mortis.

e) In death due to poisoning, the viscera analysis may be negative for detection of poison.

5. Choose the correct option for each of the following:

10x1

i) Erethism is a peculiar disturbance of personality found in:

- a) Chronic arsenic poisoning
- b) Chronic lead poisoning
- c) Chronic mercury poisoning
- d) Chronic thallium poisoning

ii) All are probable signs of Pregnancy except:

- a) Goodell's Sign
- b) Hegar's Sign
- c) Chadwick's Sign
- d) Uterine Souffle

iii) Enzyme responsible for spread of snake venom is:

- a) Serine Protease
- b) Hyaluronidase
- c) Phospholipase A2
- d) Fibrinolysin

iv) Wound gaping is more if:

- a) Incision is given at right angle to the lines of Langer.
- b) Incision is made parallel to lines of Langer.
- c) There is underlying bone fracture.
- d) There is superimposed infection of the wound.

v) A drunken bus driver ran over two people on road while driving at a high speed recklessly. He will be charged of IPC:

- a) Sec. 304
- b) Sec. 304A
- c) Sec. 304B
- d) Sec. 302

vi) Battle sign is ecchymosis:

- a) Around the eyes
- b) Around genitalia
- c) Buttocks
- d) Around mastoid

vii) The temperature ideally preferred to preserve the body for autopsy is:

- a)  $-10^{\circ}\text{C}$
- b)  $0^{\circ}\text{C}$
- c)  $4^{\circ}\text{C}$
- d)  $10^{\circ}\text{C}$

viii) Mugging is compression of neck by:

- a) Wooden sticks
- b) Hand
- c) Bend of elbow
- d) Rope

ix) Vineyard sprayer's lung disease is due to chronic inhalation of

- a) White phosphorus
- b) Mercurial fumes
- c) Copper sulphate
- d) Nitric acid

x) Pond fracture is common in:

- a) Child
- b) Infant
- c) Elderly
- d) Young females