

III-MBBS (Part-I)

Third Professional M.B.B.S. Part-I (Main) Examination (New Scheme)

December- 2023

Forensic Medicine & Toxicology

Time: Three Hours

Maximum Marks: 100

Attempt all questions in both sections.

Section-A

1. Fill in the blanks:

6 x 1 = 06

- a) Example of suicidal stab wound is
- b) Bitter almond odour is related with.....
- c) is the normal courtesy of one doctor towards other doctors.
- d) At the age of years number of permanent and temporary teeth are equal.
- e) Ashley rule is used of determination of
- f) Lucid interval is classically seen with

2. Answer the following:

4 x 1 = 04

i. Embalming done without conduction of autopsy is punishable under:

- a) IPC 44 b) IPC 302 c) IPC 201 d) IPC 304 B

ii. Which of the following test is used for blood stain analysis?

- a) Brentamine test b) Barberio test c) Florence test d) Teichmann test

iii. Which of the following putrifies late in female?

- a) Prostate b) Uterus c) Brain d) Bone

iv. A person falsely perceive his best friend as a stranger person this phenomenon called as:

- a) Capgrass phenomenon b) Fregoli syndrome c) Othello syndrome
- d) Cotard syndrome

3. A 24 year male body was found submerged in a lake. When the body was pulled out of the water it was found that a fine, copious, tenacious, white lathery froth, appeared spontaneously over mouth and nostrils, which disappeared on wiping off but reappears again itself. There was mud and aquatic grass in his hands. Answer the following questions briefly:

5 x 3 = 15

- a) Comment whether the drowning in this case is possibly ante mortem or post mortem, and write briefly about various differences between ante mortem and post mortem drowning.
 - b) Define Asphyxia and describe pathophysiology of Asphyxia.
 - c) Describe various types of drowning.
 - d) Post mortem findings in a case of drowning.
 - e) Write briefly about Diatom test and Gettler test.
4. Write briefly on (Any Five). 5 x 2 = 10
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|-------------------------------------|--------------------|-------------------------|-------------|
| a) Inquest | b) MTP act | c) Post mortem staining | d) Homicide |
| e) Sample collection during autopsy | f) Skull fractures | | |
5. Differentiate between (Any Three). 3 x 5 = 15
- a) Male skull and female skull
 - b) Post mortem staining and bruise
 - c) Ante mortem burn vs Post mortem burn
 - d) Neurotoxic venom snake and vasculotoxic venom snake

Section-B

6. A buried body was exhumed from the grounds. The body was sent for autopsy along with samples taken from the surrounding soil.
- a) Soil samples are taken to detect which poisoning? 02
 - b) What is post mortem imbibition? 02
 - c) What are clinical features of acute poisoning? 04
 - d) Investigations done to detect acute poisoning. 04
 - e) Treatment for acute poisoning. 04
 - f) Differential diagnosis. 04
7. Write briefly on (Any Five). 5 x 2 = 10
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|--|--------------------------------|
| a) Duties of a doctor in a suspected case of poisoning | b) Vitriolage |
| c) Privileged communication | d) Positive signs of pregnancy |
| e) Cause of impotency and sterility in male | f) Datura poisoning |
8. Write short notes on (Any Four). 4 x 5 = 20
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|---|-------------|-----------------------|
| a) Examination of drunkenness | b) Delusion | c) Signs of live born |
| d) Examination of rape victim | e) Consent | |
| f) Entry wound due to shot gun at various range | | |