

M.B.B.S. SECOND PROFESSIONAL EXAMINATION, JULY - 2020

FORENSIC MEDICINE & TOXICOLOGY (F.M.T.)

[Time allotted: Three hours]

[Max Marks: 40]

Q. 1. Multiple choice questions (attempt all MCQs in the allotted first 20 minutes in the OMR sheet) (½ x 16 = 08)SET - A

1. In India, exhumation is ordered by:
 - a. Superintendent of Police
 - b. Magistrate
 - c. Sarpanch
 - d. Municipal Commissioner
2. Following statements regarding Dying Declaration are correct, **except**:
 - a. Recorded in the vernacular of the patient
 - b. Investigating police officer should be present
 - c. Compos mentis should be established
 - d. Corroborative value if the victim survives
3. Res ipsa loquator means:
 - a. The essence of crime
 - b. The thing speaks for itself
 - c. Liability in negligence
 - d. Let the master answer
4. Last organ to putrefy in male is:
 - a. Uterus
 - b. Liver
 - c. Testes
 - d. Prostate
5. Cutis anserina is seen in:
 - a. Drowning
 - b. Electrocution
 - c. Suffocation
 - d. Burns
6. "Glove and stocking" pattern hypostasis is seen in:
 - a. Drowning
 - b. Hanging
 - c. Putrefaction
 - d. Carbon monoxide poisoning
7. A black eye due to contusion of the forehead is an example of:
 - a. False bruise
 - b. Ring bruise
 - c. Patterned bruise
 - d. Ectopic bruise
8. All are rifled weapons, **except**:
 - a. Revolvers
 - b. Shotguns
 - c. Automatic pistols
 - d. Machine guns
9. Immediate cause of death in burns is:
 - a. Neurogenic shock
 - b. Hypovolumic shock
 - c. Toxemia
 - d. Biochemical abnormalities
10. Sexual asphyxia is a form of:
 - a. Suicidal hanging
 - b. Accidental hanging
 - c. Homicidal hanging
 - d. Lust murder
11. The appearance of lochia after delivery is in the following order:
 - a. Rubra, serosa, alba
 - b. Rubra, alba serosa
 - c. Alba, serosa, rubra
 - d. Serosa, alba, rubra
12. The age of viability is about:
 - a. 180 days
 - b. 196 days
 - c. 210 days
 - d. 224 days
13. "Cocaine bugs" is an example of:
 - a. Visual hallucination
 - b. Auditory hallucination
 - c. Tactile hallucination
 - d. Olfactory hallucination
14. All are cardiac poisons, **except**:
 - a. Nicotine
 - b. Quinine
 - c. Thevetin
 - d. Abrine
15. Hatter's shakes are seen in:
 - a. Acute mercury poisoning
 - b. Acute copper poisoning
 - c. Chronic copper poisoning
 - d. Chronic mercury poisoning
16. A snake having the 3rd supralabial scale touching the eye and the nasal shield is:
 - a. Cobra
 - b. Krait
 - c. Viper
 - d. Sea snake

FORENSIC MEDICINE & TOXICOLOGY (FMT)

Note: Attempt all questions.
Draw suitable diagrams (wherever necessary)

- Q. 2. Give reasons:** (1 x 4 = 04)
- Gastric lavage is done in carbolic acid poisoning even though it is a corrosive.
 - Visual acuity is not affected in chronic mercury poisoning.
 - Methyl alcohol ingestion can cause blindness.
 - Hanging is usually suicidal.
- Q. 3. Problem based question:** (1 x 4 = 04)
- You have gone to a remote destination on a picnic. A case of snake bite occurs a few minutes ago near your place of stay and the local people request you to help. The victim's friend had taken a picture of the snake on his mobile phone. You observe that the picture shows a snake with an abruptly tapering tail, a "V" mark on the head and vertical slit-like pupils.
- What will you identify the snake as?
 - What symptoms do you expect?
 - What are the things that you will definitely do?
 - What are the traditional things that you will not do, even if the villagers insist?
- Q. 4. Write short notes on:** (2 x 4 = 08)
- Delusion
 - Types of skull fractures
 - Grievous hurt
 - Burking
- Q. 5. (i)** Classify sexual offences. What evidences will you collect and preserve while examining a victim of alleged rape? (04)
- (ii)** Classify irritant poisons. Write the signs & symptoms, post-mortem findings and medicolegal aspects poisoning by *Abrus precatorius*. (04)
- Q. 6. Answer in brief:** (2 x 4 = 08)
- Write the differences between true and false insanity.
 - What is meant when it is said that a ring fracture is present?
 - Depict the types of hymen with the help of diagrams.
 - List the clinical features of chronic lead poisoning.