

M.B.B.S. SECOND PROFESSIONAL EXAMINATION, JANUARY/FEBRUARY-2018
FORENSIC MEDICINE & TOXICOLOGY (FMT)

[Time allotted: Three hours]

[Max Marks: 40]

Q. 1. Multiple Choice questions (attempt all MCQs in the allotted first 15 minutes in the OMR sheet) (½ x 16= 08)

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| <p>1. Pin-point pupils are characteristic of poisoning by:</p> <ol style="list-style-type: none"> Dhatara Alcohol Cannabis Opium <p>2. In India, the time limit for exhumation is:</p> <ol style="list-style-type: none"> 30 days 1 year 5 years No limit <p>3. Immediate cause of death in burns is:</p> <ol style="list-style-type: none"> Neurogenic shock Hypovolumic shock Toxemia Biochemical abnormalities <p>4. All are cardiac poisons, except:</p> <ol style="list-style-type: none"> Nicotine Quinine Thevetin Abrine <p>5. The hallucination in "Formication" is:</p> <ol style="list-style-type: none"> Visual Auditory Tactile Olfactory <p>6. Most common cause of impotence is:</p> <ol style="list-style-type: none"> Congenital malformations Local diseases General diseases Psychological <p>7. Corpus Delectii signifies:</p> <ol style="list-style-type: none"> Dereliction of duty Dead body Essence of crime Capital punishment <p>8. Pre-auricular sulcus is useful for:</p> <ol style="list-style-type: none"> Age estimation Sex determination Race identification Stature calculation | <p>9. In burn cases, the percentage of body surface area involving only the perineum is:</p> <ol style="list-style-type: none"> 1 4.5 9 18 <p>10. Which of the following is a stupefying poison?</p> <ol style="list-style-type: none"> Opium Dhatara Alcohol Nicotine <p>11. Firearm entry wound may show all, except:</p> <ol style="list-style-type: none"> Lead ring Extrusion of fat Abrasion collar Tattooing <p>12. Run amok is a feature of chronic poisoning by:</p> <ol style="list-style-type: none"> Alcohol Dhatara Cocaine Cannabis <p>13. The age of mixed dentition is:</p> <ol style="list-style-type: none"> 2-6 years 6-12 years 12-14 years 14-16 years <p>14. Cadaveric spasm does not undergo:</p> <ol style="list-style-type: none"> Primary relaxation Secondary relaxation Rigor mortis Putrefaction <p>15. Luminescent faces are seen in which of the following poisoning?</p> <ol style="list-style-type: none"> Copper Phosphorus Arsenic Mercury <p>16. Chalky white teeth are seen in poisoning by:</p> <ol style="list-style-type: none"> Sulfuric acid Oxalic acid Nitric acid Hydrochloric acid |
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Note: Attempt all questions.
Draw suitable diagrams (wherever necessary)

- Q. 2. Give reasons why:** (1 x 4 = 04)
- Black eye occurs due to trauma to the forehead.
 - A positive urine pregnancy test is not the surest sign of pregnancy.
 - Gastric lavage is done even in intravenous morphine poisoning.
 - Choking is done in shotguns.
- Q. 3. Problem based question:** (1 x 4 = 04)
- A case of alleged rape was brought to the Forensic Medicine department where Dr. Jitendra Kumar asked all the other people to leave and meticulously examined the victim confidentially in a closed room after taking her consent. He found evidence of recent sexual intercourse and documented it. He collected the required samples and handed them over to the police along with his report. In spite of the meticulous examination, the doctor was sued by the victim for not following proper legal procedures.
- What was the lapse on the doctor's part?
 - What are the samples that may have been collected during examination?
 - What is the role of consent in this case?
 - Write the opinion that is pertinent in this case.
- Q. 4. Write short notes on:** (2 x 4 = 08)
- Signs of recent delivery
 - Section 84 IPC
 - Plumbism
 - Gastric lavage
- Q. 5. (i) List the injuries likely to be caused by blunt trauma. Describe the types of skull fractures.** (04)
- (ii) Define death. Describe the early changes after death.** (1+3 = 04)
- Q. 6. Answer in brief:** (2 x 4 = 08)
- Write the differences between male and female skull.
 - What is meant when it is said that the patient is in lucid interval?
 - List the post-mortem findings in a case of death due to starvation.
 - Depict the types of fingerprint patterns with the help of diagrams.