

**Total No. = 03 pages****Q.P. Code: MBN305****M.B.B.S. Final Prof. Part-I**

(New Scheme w.e.f. 2019 admission onwards)

BF/2023/06

**Forensic Medicine**

M.M. : 100

Time : 3 Hours(First 30 Min. for MCQs)

- Note: 1. **Use OMR Sheet to answer Multiple Choice Questions(MCQs).**  
2. Attempt all questions. Illustrate your answers with suitable diagrams  
3. **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**  
4. **The student must write Q.P. Code in the space provided on OMR Sheet and the Title page of the Answer Book.**

Q.1 MCQs (Attempt on OMR sheet)

[1x20]

1. Police inquest comes under
  - a. 174 Cr PC
  - b. 176 Cr PC
  - c. 247 Cr PC
  - d. 254 Cr PC
2. A lady died due to un-natural death within seven years after her marriage. The inquest in this case will be done by:
  - a. Forensic Medicine expert
  - b. Deputy Superintendent of Police
  - c. Sub-Divisional Magistrate
  - d. Coroner
3. Privileged communication is made between
  - a. Patient and doctor
  - b. Doctor and court of law
  - c. Doctor and relative
  - d. Doctor and concerned authority
4. In civil negligence onus of proof lies on:
  - a. Judicial first degree magistrate
  - b. Police not below the level of sub inspector
  - c. Doctor
  - d. Patient
5. Which of the following statements about consent is "not true"?
  - a. Consent can only be valid if it given by person who is sane and has attained maturity i.e. 18 year of age
  - b. For sterilization of a married person, consent of both spouse i.e. husband and wife is required
  - c. For artificial insemination, consent of patient alone is required
  - d. In emergency situation, if no near relative is available doctors can perform procedure/surgery necessary to save life even without consent, provided that the procedure intended is certified to be essential to save life of the patient by two doctors.
6. Minimum age for giving consent for organ transplantation in India is
  - a. 16 year
  - b. 18 year
  - c. 22 year
  - d. No fixed age limit
7. Haase formula used in pregnancy to
  - a. Estimate fetal age
  - b. Identify fetal blood group
  - c. Identify fetal sex
  - d. Identify fetal congenital malformation

8. Rokitansky's method is autopsy technique for
- Infants
  - Adults
  - Charred body
  - Drowned body
9. Substance commonly used for tissue preservation commonly is
- Ethyl alcohol
  - Formalin
  - Sodium chloride
  - Normal saline
10. Immediate sign of death is
- Decrease in body temperature
  - Changes in eye
  - Changes in skin
  - Cessation of circulation
11. A rickshaw puller found injured on roadside. On examination found to have tyre marks on his body. What is this kind of injury?
- Patterned bruise
  - Imprint abrasion
  - Graze abrasion
  - Percolate bruise
12. Tentative cut is a feature of
- Fall from the height
  - Homicidal assault
  - Accidental injury
  - Suicidal attempt
13. In firearm injury entry-wound blackening is due to
- Flame
  - Hot gases
  - Smoke
  - Unburned powder
14. Countercoup injuries are seen in
- Brian
  - Diazepam
  - Flumazenil
  - Ethyl alcohol
15. A 25 year old person sustained injury in right eye. He developed right corneal opacity following the injury. Left eye was already having poor vision. Corneo-plasty of right eye was done and vision was restored. Medico-legally such injury is labeled as
- Grievous
  - Simple
  - Dangerous
  - Serious
16. Antemortem and post mortem wounds could be differentiated by all expect:
- Everted margins
  - Swollen edge
  - Sharp edge
  - Blood clots in surrounding tissue
17. A person has suspended himself by applying ligature around neck so that the point of suspension (knot) is situated in the occipital region. Such a hanging is called as
- Typical
  - Atypical
  - Partial
  - Incomplete
18. Defloration means
- Loss of virginity
  - Infertility
  - Rape
  - Virginity
19. A person was brought by police from the railway platform. He is talking irrelevant. He is having dry mouth with hot skin, dilated pupils, staggering gait and slurred speech. The most probable diagnosis is
- Alcohol intoxication
  - Carbamates poisoning
  - Organo-phosphorous poisoning
  - Dhatura poisoning
20. One of the following manifestations is an indication of severe ethanol intoxication
- Euphoria and sense of well-being
  - Marked muscular incoordination
  - Increased confidence
  - Aggressive behavior

- Q.2. A girl aged 16 years was found hanging from the ceiling of her room by her brother at about 3 PM. He immediately alerted his parents who informed the police. Next day at 11 AM the body was brought for postmortem examination. [3x4]
- Define hanging. What are its various types?
  - Enumerate the various postmortem changes.
  - Describe the pathophysiology of postmortem hypostasis in this case.
  - What features on the body would suggest suicidal hanging in this case?
- Q.3. **Write short notes on:-** [5x4]
- The hierarchy of courts in India and their powers
  - The doctrine of res ipsa loquitor
  - Incised looking lacerated wound
  - Dactylography
- Q.4. **Explain the reason why:-** [3x5]
- A school teacher on a trip with her students can give consent for the treatment of one of the children 11 years old who fell sick
  - The first solution used for gastric lavage should always be plain or normal saline
  - Palmar finger prints are better tools for identification than DNA finger prints
  - Pugilistic attitude is independent of the burn injuries being postmortem or antemortem
  - A used condom if found at the scene of alleged sexual assault is one of the best specimens to connect the assailant with the victim
- Q.5. **Write short notes on (applied aspects):-** [6x3]
- Clinical features, fatal dose and treatment of poisoning by organophosphorous compounds
  - Signs, symptoms, fatal dose and treatment of cobra snake bite
  - Classify various antidotes of poisons with examples
- Q.6. **Write short notes on: -** [5x3]
- Impulse and its medico-legal aspects
  - Describe briefly the medicolegal examination of a person brought to you for creating nuisance in an inebriated condition
  - Describe in brief how we can take informed consent from a person for a surgery.