

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I (CBME)

PAPER V – FORENSIC MEDICINE AND TOXICOLOGY

*Q.P. Code: 526075*

**Time: 30 Minutes**

**Maximum: 20 Marks**

**Answer All Questions**

**Choose one correct answer in the box provided in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.**

**III. Multiple Choice Questions:**

**(20 x 1 = 20)**

1. Molecular death is
  - A) Complete irreversible cessation of brain, heart and lung function
  - B) Death of individual tissues and cells after somatic death
  - C) Total loss of EEG activity, but heart is functioning
  - D) Vital functions are at low pitch that cannot be detected by clinical examination.
2. All are successional teeth except
  - A) First upper premolar
  - B) Second lower premolar
  - C) First lower molar
  - D) First upper canine
3. Hesitation cuts are seen in cases of
  - A) Homicide
  - B) Suicide
  - C) Accident
  - D) Fall From height
4. Fracture ala signature is
  - A) Gutter fracture
  - B) Depressed fracture
  - C) Ring fracture
  - D) Sutural separation
5. Battle's sign is
  - A) Hemorrhage around eye
  - B) Mastoid ecchymosis
  - C) Umbilical ecchymosis
  - D) Vaginal ecchymosis
6. Paradoxical undressing is seen in
  - A) Hyperthermia
  - B) Hypothermia
  - C) Transvestism
  - D) Immersion syndrome
7. Joule burn is seen in
  - A) Blast injuries
  - B) Electrocution
  - C) Firearm wounds
  - D) Lightning stroke
8. Grievous injury includes all except
  - A) Emasculation
  - B) Loss of 15 day's work
  - C) Permanent disfigurement
  - D) Fracture of bone

9. In typical hanging the knot is placed at  
A) Occiput B) Chin  
C) Left side of mandible D) Right side of mandible
10. Shape of Nulliparous cervix is  
A) Conical B) Circular C) Longitudinal D) Cylindrical
11. Most common cause of first trimester abortion is  
A) Chromosomal defect B) Endocrine disturbance  
C) Anatomical abnormality of uterus D) Infections
12. Atavism is resemblance of features to  
A) Mother B) Father C) Neighbour D) Grandfather
13. Neologism is characteristically seen in:  
A) Depression B) Mania C) Schizophrenia D) Delirium
14. Professional death sentence is given by  
A) Central Government B) National Medical Commission  
C) Indian Medical Association D) State Government
15. Amyl nitrite is the antidote for:  
A) Aconite poisoning B) Cyanide poisoning  
C) CO poisoning D) H<sub>2</sub>S poisoning
16. Color of urine in phenol poisoning  
A) Red B) Green C) Yellow D) Blue
17. Poison detected long after death in hair / bone  
A) Lead B) Mercury C) Arsenic D) Cannabis
18. Widmark's formula is used for measurement of blood level of:  
A) Benzodiazepines B) Barbiturates C) Alcohol D) Cocaine
19. Following is not present in Datura  
A) Hyoscine B) Hyoscyamine C) Muscarine D) Atropine
20. Amotivational syndrome is seen with  
A) Heroin B) Cannabis C) Cocaine D) Clonidine.

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[MBBS 0623]

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**PAPER V – FORENSIC MEDICINE AND TOXICOLOGY**

***Q.P. Code: 526075***

**Time: Three hours**

**Maximum: 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Define Firearm. Draw and describe the parts of the Shotgun Cartridge. Describe the pattern of entrance wounds produced by a Shotgun at various ranges.
2. 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 anaemic with facial paleness, blue lines noted on the gums and left wrist drop.
  - a) What is your provisional diagnosis?
  - b) Explain the various clinical manifestations of the underlying poison.
  - c) Discuss in detail about treatment and post-mortem findings.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. National Medical Commission.
2. Forensic Entomology.
3. Difference between strychnine poisoning and tetanus.
4. A mentally ill person committing homicide is not punishable. Reason out.
5. Filigree burns and its Medico Legal importance.
6. Positive signs of Pregnancy.
7. Legal issues in Artificial insemination.
8. Causes of death in hanging.
9. Narco-analysis.
10. Resuscitation artefacts.

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