

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MBBS 0524]**

**MAY 2024**

**Sub. Code: 6075**

**M.B.B.S. DEGREE EXAMINATION**

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

**THIRD PROFESSIONAL PART – I – SUPPLEMENTARY (CBME)**

**PAPER I – FORENSIC MEDICINE & 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. Agonal period is the duration between
  - A) Traumatic event and information given to the relatives
  - B) Traumatic event and starting of the operation
  - C) Lethal trauma upto death
  - D) Death and post-mortem examination
2. Under water autopsy of heart is done in
  - A) Myocardial infarction
  - B) Pulmonary embolism
  - C) Air embolism
  - D) Pneumothorax
3. True hermaphroditism is when:
  - A) Testes or ovaries are absent
  - B) Both testes and ovaries are present in one individual
  - C) External genitalia of one sex and internally of opposite sex
  - D) External sexual characters, testes and ovaries are abnormal
4. Gunshot injury in skull, following are features, except
  - A) Entry wound is bevelled in the inner table
  - B) Entrance wound is bevelled in the outer table
  - C) Exit wound bevelled in the outer table
  - D) Exit wound is clean cut in the inner table
5. Injury caused by hyperextension followed by hyperflexion,
  - A) Whiplash injury
  - B) Hangman's fracture
  - C) Jefferson fracture
  - D) Ring fracture
6. Pott's fractures are common in
  - A) Children
  - B) Adolescent
  - C) Adult
  - D) Old age
7. Drunken driver is punished under
  - A) Sec 185 of MVA
  - B) Sec 135 of IPC
  - C) Sec 195 of MVA
  - D) Sec 84 of IPC

8. True about pugilistic attitude
  - A) Indicate antemortem burns
  - B) Indicate post-mortem burns
  - C) Cannot differentiate between ante mortem or post-mortem
  - D) Indicate defence by victim
9. Bandsola is a form of asphyxia using
  - A) Ligature
  - B) Metal collar
  - C) Wooden stick
  - D) Bend of elbow
10. Feminine form of impotence is
  - A) Frigidity
  - B) Sterility
  - C) Flaccidity
  - D) Passivity
11. Test for vaginal cells collected for investigation for rape
  - A) Lugol's iodine
  - B) Acro-reaction test
  - C) Precipitin test
  - D) Barberio's test
12. Softening of uterine isthmus and lower uterine segment in early pregnancy is known as
  - A) Hegar's sign
  - B) Braxton Hick's sign
  - C) Goodell's sign
  - D) Oslander's sign
13. True about cephalhematoma
  - A) Present at birth
  - B) Cross the suture lines
  - C) Becomes prominent by 24 hrs
  - D) Impulse on crying
14. Dichotomy means
  - A) Fee splitting
  - B) Summons
  - C) Civil wrong
  - D) Employing touts to get patients
15. Basophilic stippling is seen in which of the following cells:
  - A) Neutrophils
  - B) RBCs
  - C) Basophils
  - D) Eosinophils
16. Mickey Finn refers to
  - A) Ethylene glycol
  - B) Methyl alcohol
  - C) Chloral hydrate
  - D) Propylene alcohol
17. Hippus is seen in poisoning with
  - A) Dhatura
  - B) Aconite
  - C) Abrus
  - D) Croton tiglium
18. All are true about atropine poisoning, except
  - A) Dilated pupils
  - B) Decreased temperature
  - C) Dysarthria
  - D) Dysphagia
19. Urine appears 'liquid gold' in which poisoning
  - A) Arsenic
  - B) Barbiturates
  - C) Organophosphates
  - D) Lead
20. Rave drug is
  - A) Cannabis
  - B) Cocaine
  - C) Heroin
  - D) Methamphetamine

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**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 Rape. Describe the procedure of examination of a Survivor of Rape. Add a note on evidence collection.
2. A 45 year old male, gold smith by occupation presents to the Emergency Department with the history of attempted suicide by consuming a white coloured powder in his workplace. On examination patient is unconscious, vomitus with smell of bitter almond. Greenish blue colour appears on Lee-Jones Test.
  - 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. Describe and discuss the role of physician in health care system.
2. War gases.
3. Difference between Hanging and Strangulation.
4. Pseudocyesis.
5. A 10 year old female child gives her consent for Physical Examination. Reason out on the validity of the consent.
6. Difference between Bullet Entry and Exit Wounds.
7. Dying Declaration.
8. Types of Delusion.
9. Corpus delicti.
10. Therapeutic misadventure.

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