

Code No. : 22149 E Sub. Code : CMCP 41

B.A.(CBCS) DEGREE EXAMINATION, APRIL 2023.

Fourth Semester

Criminology and Police Administration – Core
FUNDAMENTALS OF FORENSIC SCIENCE AND
MEDICINE

(For those who joined in July 2021 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Medicolegal autopsy requires the permission of
 - (a) Relatives
 - (b) Medical Superintendent
 - (c) Police
 - (d) Magistrate
2. In India, inquest is carried out by all, except
 - (a) Lice
 - (b) Coroner
 - (c) Doctor
 - (d) Magistrate
7. Handwriting which is joined up and in lower case is known as:
 - (a) disconnected
 - (b) cursive
 - (c) graphic
 - (d) script
8. Which of the following is not a method used in forensic science?
 - (a) Comparison between items generated in the laboratory and those found at a crime scene
 - (b) Rejection of the hypothesis under test if it is refuted by the results of experimentation
 - (c) Comparison between items found at a crime scene with those held on a database
 - (d) Rejection of results that do not support the hypothesis under test
9. Document is defined in which section of the Indian Evidence Act?
 - (a) Section 1
 - (b) Section 2
 - (c) Section 3
 - (d) Section 4
10. What should you not do at the time of handling and preservation of documents?
 - (a) Keep the document unfolded
 - (b) Keep in the dry place
 - (c) Keep away from excessive heat with numbers
 - (d) Mark the disputed document with numbers

3. Importance of 'DNA' finger printing
 - (a) Identification of a person finger printing by using genetic engineering method
 - (b) A record of a person genetic make up
 - (c) Identification of person by genetic analysis
 - (d) None of the above
4. Priapism is seen in which poisoning?
 - (a) Cantharide poisoning
 - (b) Snakebite
 - (c) Lead poisoning
 - (d) Arsenic poisoning
5. Most reliable method for estimating blood alcohol level is
 - (a) Cavett's test
 - (b) Thin layer chromatography
 - (c) Breath alcohol analyzer
 - (d) Gas liquid chromatography
6. Which of the following is not an anti-counterfeiting measure that may be incorporated into printed documents?
 - (a) A watermark
 - (b) An iridescent stripe
 - (c) A dandy roll
 - (d) A hologram patches

PART B — (5 × 5 = 25 marks)

Answer ALL questions by choosing (a) or (b).
Each answer should not exceed 250 words.

11. (a) Define 'Latent Fingerprint'.
Or
(b) Explain the principle of exchange.
12. (a) Explain the classification of physical evidence.
Or
(b) Enumerate physical evidences (at least 10).
13. (a) What are the Aims and objectives of Medical Legal Autopsy?
Or
(b) Write a note on Medicolegal importance of Age.
14. (a) Define Identity.
Or
(b) Write a note on Rigor Mortis.
15. (a) What is euthanasia and how is it performed?
Or
(b) What are the general principles of treatment of poisoning?

PART C — (5 × 8 = 40 marks)

Answer ALL questions by choosing (a) or (b)
Each answer should not exceed 600 words.

16. (a) What is Forensic Toxicology? Give its importance.

Or

- (b) Describe the management of a case of poisonous snake bite.

17. (a) Explain briefly about the Post-mortem changes in death due to poison.

Or

- (b) Classify Poisons. Write the general management in a case of Poisoning.

18. (a) Trace the development of Forensic Sciences in India.

Or

- (b) What is the natural variation of handwriting?

19. (a) Describe the stages in analysing physical evidence.

Or

- (b) What are the steps in sketching a crime scene?

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20. (a) What are the Types of consent in medical practice? .

Or

- (b) Explain Crime scene Photography.
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