

(6 pages)

Reg. No. : .....

Code No. : 12170 E Sub. Code : CMCP 41

B.A. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2024.

Fourth Semester

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

(For those who joined in July 2021 – 2022 only)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Most of the chance finger impressions at the scene result from
  - (a) Tip of the finger
  - (b) Palm of the hand
  - (c) Hairy part of the body
  - (d) Toes of the feet

2. PCR stands for
  - (a) Penal Corpal Regime
  - (b) Polymerase Chain Reaction
  - (c) Principles of Chain Reaction
  - (d) Pollens of Crime Reaction
3. A line passing through longitudinal axis of footprint is known as
  - (a) Gait line
  - (b) Foot line
  - (c) Direction line
  - (d) Walking line
4. In the investigation of traffic accident, the driver can be held responsible for rash and negligent driving by examining
  - (a) Impact of accident
  - (b) Distance between two tyre
  - (c) Skid marks
  - (d) Vehicle condition
5. Poison has quickest effect in the body if it is administered through
  - (a) Investigation
  - (b) Injection
  - (c) Drinking
  - (d) Inhalation

6. Skeleton can be helpful in identifying  
 (a) Sex (b) Stature  
 (c) Ancestry (d) All the above
7. The best body material for isolation of most of the modern poisons is  
 (a) Blood (b) Bones  
 (c) Viscera (d) Urine
8. Any substance in any form when ingested to a system in small does causing delirious effect leading to death is known as  
 (a) Stimulant (b) Poison  
 (c) Sedative (d) Drug
9. When explosive explode they produce?  
 (a) Heat (b) Light  
 (c) Sound (d) All the above
10. Finger prints slips of the suspect are sent to the fingerprint bureau primarily  
 (a) To build up records  
 (b) As a routine police procedure  
 (c) As required under identification of prisoner's  
 (d) To know the antecedents

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) List the steps in processing a scene of crime scene.  
 Or  
 (b) What are the common types of Biological fluids?
12. (a) Explain the composition of a crime scene team.  
 Or  
 (b) What is forensic Entomology?
13. (a) What is Forensic Odontology and discuss its relevance?  
 Or  
 (b) What is blood Splatter?
14. (a) Write a note on Forensic Photography.  
 Or  
 (b) What is the mandate of State Forensic Science Lab?

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15. (a) What are Tyre marks? Give its importance.

Or

(b) Discuss the medico legal importance of Autopsy.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What is Forensic Science? How does it contribute to Justice?

Or

(b) Discuss the characteristics of Physical evidence?

17. (a) What is the Goal of Crime Scene Investigation?

Or

(b) Discuss the various types of Crime scene.

18. (a) Explain the various divisions of a Mobile Forensic Sciences Laboratory.

Or

(b) Discuss the structure and functions of Directorate of Forensic Science services.

19. (a) What are injuries? Discuss in detail, the various types of injuries.

Or

(b) What is hanging? Discuss in detail, how death occurs and its medico legal importance.

20. (a) What are asphyxia deaths? Discuss in detail, the various types.

Or

(b) What is Post Mortem? Discuss post mortem changes, in detail.