

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

Fourth Semester

Criminology and Police Administration

FUNDAMENTALS OF FORENSIC SCIENCE AND  
MEDICINE

(For those who joined in July 2021-2022 onwards)

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 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

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain sketching and its uses.  
Or  
(b) Discuss the importance of forensic science.
12. (a) Discuss about tyre impressions.  
Or  
(b) Write a note on individualization of physical evidence.
13. (a) Explain forgery.  
Or  
(b) Discuss on handwriting.
14. (a) Explain the basic principles of medical practices.  
Or  
(b) Discuss about negligence.

15. (a) Write a note on alcohol and vehicular accidents.

Or

(b) Explain poisonous bites.

PART C — (5 × 8 = 40 marks)

Answer ALL questions by choosing (a) or (b)

Each answer should not exceed 600 words

16. (a) Discuss the origin and development of forensic science.

Or

(b) Explain about photography and give its importance.

17. (a) Discuss on Locards Principle of Exchange.

Or

(b) Write in detail on classification of physical evidence.

18. (a) Explain questioned documents.

Or

(b) Compare hand writing and type written scripts.

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19. (a) Discuss on euthanasia and its characteristics.

Or

(b) Write in detail on medico legal autopsy.

20. (a) Discuss the factors modifying the actions of poisons.

Or

(b) Explain the routes of administration of poisons.

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