



DCFS – 502

Fifth Semester B.Sc. Degree Examination, February/March 2024

(NEP Scheme) (Freshers)

CRIMINOLOGY AND FORENSIC SCIENCE

Forensic Physics

Time : 2½ Hours

Max. Marks : 60

PART – A

Answer any 6 questions. Each question carries 1 mark.

(1×6=6)

1. Define paint.
2. Name the property of paint cannot detected by microscopic examination.
3. Glass piece broken from a window pane by the action of heat will generally be found on which side ?
4. Define refractive index.
5. Define Birefringence.
6. Name the instrumental method used for the examination of paint evidence.
7. Define cone fracture.

PART – B

Answer the following questions. Each question carries 2 marks.

(2×6=12)

8. Define radial fracture and thermal fracture.
9. Define 3R rule.
10. Explain the types of tyre marks.
11. Explain the burning test for fiber.
12. Define rib marks.
13. Explain the forensic significance of glass evidence.

P.T.O.



PART – C

Answer the following questions. **Each** question carries **4** marks. **(4×3=12)**

14. Write a short note on types of paints.
15. Explain the composition of glass.
16. Explain physical matching of paint evidence.

PART – D

Answer **any 5** questions. **Each** question carries **6** marks. **(6×5=30)**

17. Define tool marks and explain its types.
  18. Discuss the determination of direction of impact.
  19. Explain Fluroscence and turbidity test.
  20. Explain chemical etching and magnetic particle method for restoration of serial numbers.
  21. Define paint. Explain its type.
  22. Explain the collection and preservation of tool mark evidence.
  23. Explain the different instrumental methods used for the analysis of paint evidence.
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DCFS – 503

**Fifth Semester B.Sc. Degree Examination, February/March 2024  
(NEP Scheme) (Freshers)  
CRIMINOLOGY AND FORENSIC SCIENCE  
Forensic Computing and Cyber Crime**

Time : 2½ Hours

Max. Marks : 60

- Instructions :** 1) Part – A (Answer any 6 questions).  
2) Part – B (Answer any 6 questions).  
3) Part – C (Answer any 3 questions).  
4) Part – D (Answer any 5 questions).

**PART – A**

Answer any 6 questions. Each question carries 1 mark.

(1×6=6)

1. What is Binary Number System ?
2. Define High Level Language.
3. What is Data Storage ?
4. What is OSI ?
5. What is a Firewall ?
6. What is Computer Stalking ?
7. Expand WAN, LAN.
8. What do you mean by Information Technology Rules ?

**PART – B**

Answer any 6 questions. Each question carries 2 marks.

(2×6=12)

9. Explain Multiprogramming Operating Systems.
10. Explain Application Software.
11. What is Interface and Platter ?
12. What are the various types of cyber crimes ?
13. What do you mean by encoding ?
14. What is a network device ?
15. What are the types of Cloud Computing ?
16. Name few emerging digital crimes.

P.T.O.



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PART – C

Answer **any 3** questions. **Each** question carries **4** marks.

(4×3=12)

17. Briefly explain storage devices.
18. Explain Memory Hierarchy.
19. Explain the TCP/IP protocol models.
20. Briefly explain cyber bullying, cyber stalking and cyber defamation.

PART – D

Answer **any 5** questions. **Each** question carries **6** marks.

(6×5=30)

21. Briefly explain system software.
  22. Explain Logical Block Addressing.
  23. Explain the crimes related to Intellectual property rights.
  24. Explain the types of software piracy.
  25. Explain various types of internet crimes.
  26. Explain the characteristics of cloud computing.
  27. Explain the Section 45A of the Indian Evidence Act.
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