

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2024
(Sixth Semester)**

Branch – **COMPUTER SCIENCE**

DISCIPLINE SPECIFIC ELECTIVE – II CYBER FORENSICS

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(5 x 1 = 5)

- 1 Which one option is not a type of cybercrime?

(i) Data theft	(ii) Forgery
(iii) Damage to data and systems	(iv) Installing antivirus for protection

- 2 Find which of the following are not the Types of Cybercrimes?

(i) Denial-of-Service Attacks	(ii) Monkey Attacks
(iii) Cyber Pornography	(iv) Software Piracy

- 3 Indicate which of the following have the capability of spreading itself? It doesn't require the host and human support to spread.

(i) Virus	(ii) Trojan	(iii) Worm	(iv) Bug
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- 4 Mention which of the following attack types best describes a targeted attack that successfully obstructs functionality?

(i) Spam attack	(ii) Malware attack
(iii) DDoS attack	(iv) Killer attack

- 5 State which tool is not a Qualified Forensic Duplicate of a Hard Drive

(i) SafeBack	(ii) EnCase
(iii) FTK Imager	(iv) None of the above

SECTION - B (15 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(5 x 3 = 15)

- 6 a How do you handle and analyze cloud data in a cyber forensic investigation?
OR
b Bring out the tools and technologies used in cyber forensics.

- 7 a Classify the different techniques used in cyber forensic investigations.
OR
b Describe the common types of cybercrime.

- 8 a Compare between cyber forensics and digital forensics.
OR
b Analyze the Cyber laws in India.

- 9 a Outline the concept of Deep web and Dark web.
OR
b Summarize the idea of Cryptocurrency.

Cont...

10 a Narrate the concept of Email tracking and Tracing.

OR

10 b Explain the Forensic tool for integrity verification and Hashing.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11 a Infer is it possible to investigate an incident of ransomware attack?

OR

b Elucidate the theory Blockchain.

12 a Enumerate the notion of GPS forensics.

OR

b Examine the concept of RAM and Hard Drive Analysis.

13 a Discuss Cyber laws and cyber crimes with example.

OR

b Point out Forensic tools for Data Recovery with proper description.

14 a Trace the sources of evidence with proper example.

OR

b Analyze Digital evidence with proper example.

15 a Highlight the idea of Evidence collection procedure in detail.

OR

b Categorize the cyber criminals with proper example.

Z-Z-Z

END