PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch – **NETWORKING & MOBILE APPLICATION**

DISCIPLINE SPECIFIC ELECTIVE COURSE –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   Cyber Security provides security against what?
    (i)   Against Malware   (ii) Against cyber-terrorists
    (iii)   Defends a device from threat   (iv) All mentioned options

2   An act to injure, corrupt, or threaten a system or network is characterized as which of the below?
    (i)   Digital crime   (ii)   Threats
    (iii)   System hijacking   (iv)   Cyber Attack

3   Which of the following is a primary goal of network forensics?
    (i) Data encryption
    (ii) Preventing malware infections
    (iii) Identifying and mitigating security incidents
    (iv) Enhancing network speed

4   Which of the following is an example of volatile digital evidence?
    (i)   Hard disk drive   (ii) USB flash drive
    (iii) RAM (Random Access Memory   (iv) Optical disc

5   In digital evidence analysis, what does the term "carving" refer to?
    (i)   Shaping physical evidence
    (ii) Recovering fragmented or deleted data
    (iii) Creating backups of digital files
    (iv) Encrypting sensitive information

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6 a   Summarize the types of cyber crime.
          OR
  b   Explain the types of cybercrime against individuals.

7 a   Explain on cybercrime against nation.
          OR
  b   Describe on block chain.

8 a   Explain the key components of disk forensics.
          OR
  b   Explain email forensics.

9 a   Explain the rules of digital evidence in forensics.
          OR
  b   Explain digital evidence as alibi.

10 a   Produce some digital forensics tools.
          OR
  b   Discuss the role of forensic analyst in analysis.

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

11 a   Discuss on the role of electronic communication devices on cyber forensics.
                                  OR
    b   Elucidate the strategies to prevent cybercrime.

12 a   Discuss cyber war in detail.
                                  OR
    b   Categorize on deep web and dark web.

13 a   Discuss GPS forensics in detail.
                                  OR
    b   Summarize the steps involved in building forensics computing lab.

14 a   Elucidate about browser artifacts.
                                  OR
    b   Discuss on the evidence from mobile devices.

15 a   Discover what are the needs for computer forensic investigations.
                                  OR
    b   Categorize the steps involved in analyzing hard drive with WinHex.

Z-Z-Z   END