



BCA Cyber Security II () - IV (Main/Back) End Semester Examination, April 2024
BCYCCA4103: Cyber Forensics

Time: 3 Hours

Total Marks: 60

Min. Passing Marks: 21/24/27

Question Paper ID: 000755

Instructions: Attempt all five questions. There is an internal choice either (a or b) in Q1 to Q5. Marks of each question or its parts are indicated against each question/part. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Bloom Level(BL): 1-Remembering, 2-Understanding, 3-Applying, 4-Analysing, 5-Evaluating, 6-Creating

Use of following supporting material is permitted during examination for this subject: Nil

- Q1. (a)** Give the definition of "cyber forensics." What kind of digital forensic is this? List the methods that digital forensic detectives employ. [Marks 12] **Marks BL CO**
12 1 1
(OR)
(b) Explain the Various Types of Cybercrime. Describe the forensic department's operational procedures. [Marks 12]
- Q2. (a)** The distinction between non-magnetic and magnetic media. Describe the Flash drive's operation and include a diagram. [Marks 12] **Marks BL CO**
12 2 2
(OR)
(b) When you say "Windows forensic," what do you mean? Describe the elements of Windows forensic analysis. [Marks 12]
- Q3. (a)** What is the reason behind the significance of system storage in forensic analysis? Why are the methods used for analysis in any given criminal location used in forensic investigations? [Marks 12] **Marks BL CO**
12 2 3
(OR)
(b) Explain the meaning of the forensic term "steganography." Why it matters in the context of cyberspace. Explain using the particular tool they are using. [Marks 12]
- Q4. (a)** Assume that your business is experiencing problems with unsanctioned mail that is being used as a means of attack by third parties (MIMA). Which kind of forensics are appropriate in this case? [Marks 12] **Marks BL CO**
12 3 4
(OR)
(b) A virtual desktop: what is it? What do Linux's file permissions mean? Describe the dictionary attack. [Marks 12]
- Q5. (a)** What inspired the creation of the Information Technology Amendment Act? What updates have been made to the Information Technology Amendment Act? [Marks 12] **Marks BL CO**
12 4 5
(OR)
(b) Discuss Article 66A of the Cyber Law Act of 2008. The Information Technology Amendment Act is applicable to who? [Marks 12]

End of Question Paper