

# CBCS SCHEME

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BETCK205I/ BETCKI205

## Second Semester B.E./B.Tech. Degree Examination, June/July 2024 Introduction to Cyber Security

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. M : Marks , L: Bloom's level , C: Course outcomes.

| Module - 1 |    |   | M  | L  | C   |
|------------|----|---|----|----|-----|
| Q.1        | a. | What is Cyber Crime? Explain cyber space and cyber squatting.                   | 6  | L2 | CO1 |
|            | b. | Who are cyber criminals? Discuss the three group of cyber criminals.            | 8  | L2 | CO1 |
|            | c. | What is cyber defamation? Explain in detail.                                    | 6  | L2 | CO1 |
| OR         |    |   |    |    |     |
| Q.2        | a. | List and explain classification of cyber crimes.                                | 10 | L2 | CO1 |
|            | b. | Explain the hacking and the Indian law under Indian ITA 2000 cyber crimes.      | 10 | L2 | CO1 |
| Module - 2 |    |   |    |    |     |
| Q.3        | a. | List and explain different categories of cyber crime.                           | 6  | L2 | CO2 |
|            | b. | Briefly explain any six tips for effective search with "Google" search engine.  | 6  | L2 | CO2 |
|            | c. | Explain social engineering with its classification.                             | 8  | L2 | CO2 |
| OR         |    |   |    |    |     |
| Q.4        | a. | Briefly explain phases involved in planning a cyber crime.                      | 10 | L3 | CO2 |
|            | b. | How Botnets create business? Explain how to secure the system by using botnets. | 10 | L3 | CO2 |
| Module - 3 |    |   |    |    |     |
| Q.5        | a. | What is phishing? Explain how it works.   | 6  | L2 | CO3 |
|            | b. | What are the purposes of proxy servers?   | 6  | L2 | CO3 |
|            | c. | Explain different ways of password cracking.                                    | 8  | L2 | CO3 |
| OR         |    |   |    |    |     |
| Q.6        | a. | What are viruses and worms? Explain different types of viruses.                 | 10 | L2 | CO3 |
|            | b. | Discuss different types of DOS attacks.   | 6  | L2 | CO3 |
|            | c. | What is Steganography? Mention some tools.                                      | 4  | L2 | CO3 |
| 1 of 2     |    |   |    |    |     |

## Module – 4

|     |    |  |    |    |     |
|-----|----|--|----|----|-----|
| Q.7 | a. | Discuss about phishing techniques used by phishers to launch phishing attacks. | 10 | L2 | CO4 |
|     | b. | Briefly explain various types of identity theft techniques.                    | 10 | L2 | CO4 |

## OR

|     |    |   |    |    |     |
|-----|----|---|----|----|-----|
| Q.8 | a. | Explain various types of phishing scams.            | 10 | L2 | CO4 |
|     | b. | Briefly explain four different methods of phishing. | 10 | L2 | CO4 |

## Module – 5

|     |    |  |    |    |     |
|-----|----|--|----|----|-----|
| Q.9 | a. | Illustrate digital Forensics life cycle.                               | 10 | L3 | CO5 |
|     | b. | Discuss about the steps involved in solving a computer forensics case. | 10 | L3 | CO5 |

## OR

|      |    |                                    |    |    |     |
|------|----|------------------------------------|----|----|-----|
| Q.10 | a. | Explain chain of custody concept.  | 10 | L2 | CO5 |
|      | b. | Briefly explain network forensics. | 5  | L2 | CO5 |
|      | c. | Explain what is RFC2822.           | 5  | L2 | CO5 |

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