

Basavarajeswari Group of Institutions

**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
 (Autonomous Institute under Visvesvaraya Technological University, Belagavi)

2022 SCHEME

USN

Course Code 2 2 E T C 15 / 25 J

First / Second Semester B.E. Degree Examinations, February 2025

## INTRODUCTION TO CYBER SECURITY

Duration: 3 hrs

Max. Marks: 100

**Note:** 1. Answer any FIVE full questions, choosing ONE full question from each module.  
 2. Missing data, if any, may be suitably assumed

<u>Q. No</u>	<u>Question</u>	<u>Marks</u>	<u>(RBT:CO:PI)</u>
<b><u>Module-1</u></b>			
1.	a. What is cybercrime? Explain the three types of cyber criminals.	07	(2 :1: 1.6.1)
	b. Explain the following: (i) Cyber Crime (ii) Cyber space (iii) Cybersquatting (iv) Cyber security (v) Cyber terrorism	07	(2: 1: 1.6.1)
	c. What are pornographic offences? Explain how paedophiles operate.	06	(2:1: 1.6.1)
<b>(OR)</b>			
2.	a. List the cybercrimes against individual and explain any 6 of them.	10	(2:1: 1.6.1)
	b. List the cybercrimes against organization and explain any 6 of them.	10	(2 :1: 1.6.1)
<b><u>Module-2</u></b>			
3.	a. Explain the phases involved in planning a cybercrime.	10	(2 :2: 1.6.1)
	b. What is social engineering? Explain two methods in social engineering.	10	(2 :2: 1.6.1)
<b>(OR)</b>			
4.	a. What is cyberstalking? Explain types of stalkers, and list the steps of how stalking works.	10	(2 :2: 1.6.1)
	b. List illegal activities observed in cyber cafes, and discuss the safety and security measures while using the computer in a cybercafe.	10	(2 :2: 1.6.1)
<b><u>Module-3</u></b>			
5.	a. Discuss the different forms of attacks through which attacker target the computer system.	07	(2 :3: 1.6.1)
	b. What is phishing? Explain how it works.	07	(2 :3: 1.6.1)
	c. What are key loggers? Explain differ types of key loggers.	06	(2 :3: 1.6.1)
<b>(OR)</b>			
6.	a. Discuss different types of virus.	07	(2 :3: 1.6.1)
	b. Define steganography. Explain the working of steganography with a neat diagram.	06	(2 :3: 1.6.1)
	c. Explain types or levels of DoS attacks.	07	(2 :3: 1.6.1)

#### **Module-4**

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|----|----|--|----|---------------|
| 7. | a. | Explain four methods used by the phishers to extract personal information on internet. | 07 | (2 :4: 1.6.1) |
|    | b. | Explain different phishing scams.  | 07 | (2 :4: 1.6.1) |
|    | c. | Give counter measures to avoid being a victim of phishing attack.                      | 06 | (2 :4: 1.6.1) |

**(OR)**

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|----|----|--|----|---------------|
| 8. | a. | Explain the flowchart of phishing attacks.     | 07 | (2 :4: 1.6.1) |
|    | b. | Explain the different types of identity theft. | 07 | (2 :4: 1.6.1) |
|    | c. | Explain the techniques of ID theft.            | 06 | (2 :4: 1.6.1) |

#### **Module-5**

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|----|----|---|----|---------------|
| 9. | a. | What is digital forensic science? List roles and typical scenarios for digital forensics. | 10 | (2 :5: 1.6.1) |
|    | b. | Give guidelines for the digital evidence collection phases.                               | 10 | (2 :5: 1.6.1) |

**(OR)**

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|-----|----|---|----|---------------|
| 10. | a. | Demonstrate the process model for understanding digital evidence legal framework. | 10 | (2 :5: 1.6.1) |
|     | b. | Explain different phases involved in forensic life cycle.                         | 10 | (2 :5: 1.6.1) |

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