

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

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Course Code 

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First Semester B.E. Degree Examinations, March/April 2024

**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>(RBTL:CO:PI)</u>
<b><u>MODULE – 1</u></b>			
1.	a. Explain the following types of cyber-crimes: (i) E-mail spoofing (ii) Salami attack (iii) Cyber defamation	06	(2: 1: 1.6.1)
	b. Explain the three types of cyber criminals	07	(2 : 1: 1.6.1)
	c. Write a short note on: (i) The Legal Perspectives on Cybercrime (ii) An Indian Perspectives on Cybercrime	07	(2 : 1: 1.6.1)
<b>OR</b>			
2.	a. Define the following terms: (i) Cyberspace (ii) Cybersquatting (iii) Phreaking	06	(2: 1: 1.6.1)
	b. How the pedophiles operate in pornographic offense? Explain.	07	(2 : 1: 1.6.1)
	c. Explain global perspectives on cybercrimes.	07	(2 : 1: 1.6.1)
<b><u>MODULE – 2</u></b>			
3.	a. Explain the usage of the following in carrying out the passive attacks: (i) WHOIS (ii) NSLookup (iii) DNSstuff	06	(2: 2: 1.6.1)
	b. What is cyber stalking? Explain different ways in which stalking works.	07	(2 : 2: 1.6.1)
	c. What is social engineering? Explain two types of social engineering.	07	(2 : 2: 1.6.1)
<b>OR</b>			
4.	a. Define the following terms: (i) Hacker (ii) Crackers (iii) Wardailer	06	(2: 2: 1.6.1)
	b. Explain the three phases involved in planning a cybercrime.	07	(2 : 2: 1.6.1)
	c. Explain how botnets can be used as a fuel to cybercrime.	07	(2 : 2: 1.6.1)
<b><u>MODULE – 3</u></b>			
5.	a. Define proxy server. List the purposes of proxy server.	06	(2: 3: 1.6.1)
	b. Define key logging. Explain the types of key loggers.	07	(2 : 3: 1.6.1)
	c. Difference between steganography and cryptography.	07	(2 : 3: 1.6.1)
<b>OR</b>			
6.	a. What is backdoor? List some functions of backdoor.	06	(2: 3: 1.6.1)
	b. Define computer virus. Explain the types of viruses	07	(2 : 3: 1.6.1)
	c. What are the different ways of password cracking? Explain.	07	(2 : 3: 1.6.1)

#### **MODULE – 4**

7. a. What is phishing and how it works? **06** (2: 4: 1.6.1)  
b. Explain the following: **07** (2 : 4: 1.6.1)  
(i) spear phishing (ii) whaling  
c. List the steps to prevent being victim of identity theft. **07** (2 : 4: 1.6.1)

**OR**

8. a. Explain different methods of phishing. **06** (2: 4: 1.6.1)  
b. Draw and explain phishing attack flowchart. **07** (2 : 4: 1.6.1)  
c. List and explain the types of phishing scams. **07** (2 : 4: 1.6.1)

#### **MODULE – 5**

9. a. Explain digital forensics life cycle. **08** (2: 5: 1.6.1)  
b. Explain the guidelines that have been adopted in the collection phase of digital evidence. **07** (2 : 5: 1.6.1)  
c. Explain typical scenarios involved in digital forensics. **05** (2 : 5: 1.6.1)

**OR**

10. a. Write a short note on file carving. **06** (2: 5: 1.6.1)  
b. What is digital forensics science and explain the role of digital forensics? **07** (2 : 5: 1.6.1)  
c. Explain difference between forensics policy and security policy. **07** (2 : 5: 1.6.1)

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