USN ☐☐☐☐☐☐☐☐☐☐   **Course Code** | 2 | 3 | M | C | A | 2 | 5 | 2 |

Second Semester MCA Degree Examinations, November 2024
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*

Q. No		*Question*	*Marks*	*(RBTL:CO: PI)*
		MODULE – 1		
1.	**a.**	What is cybercrime? How do we classify cybercrimes? Explain each one briefly.	**10**	(2:1:1.2.1)
	b.	Write short note on (i) spamming (ii) E-mail spoofing	**10**	(2:1:1.2.2)
		(OR)		
2.	**a.**	Explain in detail the concept of defamation and its types.	**10**	(2:1:2.2.1)
	b.	What are pornographic offenses and also explain the steps involved in pornographic offenses.	**10**	(2:1:1.2.1)
		MODULE – 2		
3.	**a.**	Explain in detail how criminals plan the attack.	**10**	(2:2:1.2.1)
	b.	What is social engineering? Explain briefly.	**10**	(2:2:2.1.1)
		(OR)		
4.	**a.**	Explain in detail passive attack and active attack with examples.	**10**	(2:2:2.3.1)
	b.	What is cyberstalking? Explain the working of stalking.	**10**	(2:2:2.3.1)
		MODULE – 3		
5.	**a.**	What is phishing? Explain how phishing works.	**10**	(2:3:2.1.1)
	b.	Write short note on: (i) Backdoors (ii) Trozen horses	**10**	(2:3:2.2.2)
		(OR)		
6.	**a.**	Explain in detail about keylogger and its types.	**10**	(2:3:3.1.1)
	b.	Explain DoS attack and its levels of attack.	**10**	(2:3:2.2.1)
		MODULE – 4		
7.	**a.**	Write short note on (i) phishing methods (ii) phishing techniques	**10**	(2:4:2.4.1)
	b.	What is spear phishing? Explain the different types of phishing scams.	**10**	(2:4:2.3.1)
		(OR)		
8.	**a.**	Explain SPS algorithm and how to avoid phishing attacks.	**10**	(2:4:2.4.1)
	b.	What is identity theft? Explain its types with examples.	**10**	(2:4:2.3.1)

Note: (**RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI - Performance Indicator**)

MODULE – 5

9. **a.** Explain the need of computer forensic and its domain types in cyber forensics. **10** (2:5:2.2.1)

b. Explain in detail the lifecycle of digital forensics with neat diagram. **10** (2:5:2.4.1)

(OR)

10. **a.** Explain computer forensics and its characteristics. **10** (2:5:2.3.1)

b. Explain the activities involved in process of computer forensics and chain of custody concepts. **10** (2:5:2.2.1)

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Note: (**RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI - Performance Indicator**)