Student Name: University Roll No.:	Printed Pages: 01
School of Engineering First Theory Sessional Examination Odd Semester (AS: 2024-25) B. Tech: CSE [Year: IV] [Semester : VII]	
Course Title: Cyber Law & Security Course Code: GE33231	Max Marks: 30 Time: 1*hrs*

Instructions: 1-Mention any assumptions made.
2-Notations have usual meaning.

	SECTION 'A' Q.N.1. Attempt all parts of the following:	Course Objective	Marks
a)	What are the components of information systems?	CO1	1
b)	What is the role of internet & web services?	CO1	1
c)	Describe information system threats & attacks.	CO1	1
d)	Differentiate between active attack & passive attack.	CO1	1
e)	Explain TCP/IP, IPV4, IPV6.	CO1	1
	SECTION 'B' Q.N.2. Attempt any two parts of the following:	Course Objective	Marks
a)	How does information system contribute to decision making processes in modern organization?	CO1	7.5
b)	What are the challenges of securing distributed information system, & how do distributors in information system manage cyber security risks?	CO1	7.5
c)	How do DOS attack impact mobile & wireless computing environments, & what are the most effective cybersecurity strategies to mitigate these threats?	CO1	7.5
	SECTION 'C' Q.N.3. Attempt any one parts of the following:	Course Objective	Marks
a)	What are the primary cybersecurity challenges in mobile devices & how can organization mitigate risk associated with malware, data breaches, & unauthorized access?	CO1	10
b)	What are the most significant challenges faced by authentication services, & how can multi-factor authentication & biometric technology enhances security?	CO1	10
c)	How can laptops be secured in the context of increasing threats from the internet & the www, & what role do encryption & firewalls play in protective sensitive data?	CO1	10

Table 1: Mapping between COs and questions

COs	Questions Numbers	Total Marks
CO1	1.a, 1.b, 1.c, 1.d, 1.e, 2.a, 2.b, 2.c, 3.a, 3.b, 3.c	57.5