

REG.NO.:

## SCHOOL OF COMPUTER SCIENCE AND ENGINEERING CONTINUOUS ASSESSMENT TEST -1 WINTER SEMESTER 2024-2025

SLOT:B1+TB1

Programme Name & Branch

: B.Tech (CSE) & BCE,BCI

Course Code and Course Name

: BCSE317L & Information Security

Faculty Name(s)

: Common to ALL

Class Number(s)

: VL2024250501840 & others

Date of Examination

: 27/01/25

Exam Duration

: 90 minutes

Maximum Marks: 50

General instruction(s):

## Answer All Questions

		Question	M	
	A	Name and narrate the approach of the cybersecurity model that is a foundation for	1	
		developing security policies to protect data and access. (7) Also, categorise the below-		
		mentioned vulnerabilities whichever meet the above said potentials. (3)		
		Man-in-the-middle attacks Phishing		
		attacks		
		Spyware		
		Unpatched software Weak passwords		
		Excessive user privileges	10	
		Ransomware		
		SQL injection attacks		
		Distributed denial of service (DDoS) attacks Hardware failures		
		Misconfigurations		
		Software bugs		
ł	2	If a more logs in from an unuse 11 and can flag this as a potential security		
1	2.	If a user logs in from an unusual location, the system can flag this as a potential security		
ı		risk and prompt for additional authentication in real- time. Frame the necessary roles		
		played by "Asset Management" & "Security Controls" to maintain the information	10	V
		security baseline for the context and point out attacker strategies involved if weak		
ı		authentication found in the context.		+
ı	3.	IT infrastructure services are the services that support a company's IT infrastructure, which		1
ı		is the collection of hardware, software, networks, and other resources that enable a	10	1
١		company to operate. IT infrastructure services include monitoring, troubleshooting, and		
ı		e it exclams And "collaborative business model" refers to a business		H
ı		1 morning charge has companies individuals or communities work	A	
ı				
l			r	
		leveraging partnerships, networks, and shall platforms to develop products, services, of solutions that are better than what any single entity could achieve alone.		
		solutions that are better than what any single chirty could define a discount of attributes including user credentials, phone numbers, group	у	
		To meet the above scenario, we need directory servers that ase a mexicle schema. The can store a variety of attributes, including user credentials, phone numbers, ground store a variety of attributes, including user credentials, phone numbers, ground in a format that meets the organization's needs. In this case, who	р	
		can store a variety of attributes, including user credentials, phone numbers, grounded associations, and more, in a format that meets the organization's needs. In this case, who associations, and more, in a format that meets the organization's needs. In this case, who	it	
		associations, and more, in a format that meets as a special or authentication model do you prefer to meet modern organization identification model do you prefer to meet modern organization identification identificati	y	
		of authentication model do jos		