

Course Code	: 2101CS632	Exam Date	: 19/01/2024
Course Name	: Cyber Security	Total Marks	: 30
Time	: 08:15 am to 09:30 am	Enrollment No.	: _____
Instructions	1. Attempt all the questions. 2. Figure to the right indicate maximum marks . 3. Don't do any kind of rough work or calculation in Question Paper. 4. Make suitable assumptions whenever necessary. 5. The text to the right-side of the marks indicates the Bloom's Level (BL*) of the question followed by the Course Outcome(CO). i.e. R: Remembrance, U: Understanding, A: Application, N: Analyze, E: Evaluate, C: Create.		

Course Outcomes (COs)	At the end of this course, students will be able to: CO 1: Describe Cyber Crime and Offense CO 2: Explain on Cyber Attacks and Techniques CO 3: Discuss Cyberlaw and Amendment of IT Act CO 4: Perform system Vulnerability and Web Vulnerability scanner Tools CO 5: Classify the functionality of antivirus and Firewalls
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Q. No.	Question	Marks	BL*	CO
Q. 1 (A)	Define Cybersecurity using an example.	3	R	CO1
Q. 1 (B)	Consider a situation where a hacker has attacked an organization's network and stolen key data. Write what are the key elements of Incident Response.	3	U	CO1
	OR			
(B)	My system has been affected by a virus. Describe the characteristics of the same.	3	U	CO2
Q. 1 (C)	In the terminal, you are currently in the home directory (/home/user). Navigate to the "Documents" directory and create a new file named "report.txt." Then, move this file to the "Downloads" directory. Write the command in sequence.	4	A	CO1
	OR			
(C)	You are in the home directory. You have a file named "data.txt" in the "Documents" directory. Set the file permissions to allow the owner to read and write, the group to read only, and others to have no permissions.	4	A	CO1
Q. 2 (A)	Define the Techniques used in Cyber Crimes using an example of Ransomware Techniques.	3	R	CO2

Q. 2	(B)	Using an example of a Worm explain the characteristics and stages of a Worm attack.	7	U	CO2
		OR			
	(B)	Using an example of a Trojan explain the characteristics and stages of a Trojan attack.	7	U	CO2
Q. 3	(A)	What are Keyloggers and their types?	3	R	CO2
Q. 3	(B)	Explain the CIA triad using an example.	3	U	CO1
		OR			
	(B)	Explain the IAAA using an example.	3	U	CO1
Q. 3	(C)	You have a file named "log.txt" that contains a list of usernames and their corresponding email addresses. Use a command to display only the unique email addresses from the file, sorted alphabetically.	4	A	CO1
		OR			
	(C)	You need to create a new project directory named "MyProject" and within it, three subdirectories are named "Source," "Docs," and "Data." Inside the "Source" directory, create a new text file named "main.c" using the nano text editor. After creating the file, delete the "Data" subdirectory. Please provide the sequence of commands to achieve these tasks.	4	A	CO1

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