KUMARAGURU
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B.E/B.TECH DEGREE EXAMINATIONS: NOV/DEC 2023

(Regulation 2018)

Third Semester

COMMON TO ALL

U18CSR3011: Introduction To Cyber Security

COURSE OUTCOMES

CO1: Understand the basics of information security, threats and attacks.

CO2: Apply the scientific method for security assessment.

CO3: Apply methods for authentication, access control, intrusion detection and prevention

CO4: Explore network security analysis tools

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-
PART A (10 x 2 = 20 Marks)
(Answer not more than 40 words)

1.	Give a schematic of CNSS Security model and discuss briefly.	CO1	[K$_2$]
2.	Define Cyber stalking.	CO1	[K$_1$]
3.	Differentiate the functionality of Virus and Worms.	CO1	[K$_1$]
4.	Distinguish between DoS and DDoS attacks.	CO1	[K$_1$]
5.	Summarize on the Codes of Ethics.	CO2	[K$_1$]
6.	Why is Risk identification important in a firm?	CO2	[K$_1$]
7.	Interpret about the need for Honeynets.	CO3	[K$_1$]
8.	What do you mean by Access Control?	CO3	[K$_2$]
9.	Give an outline about Network scanners.	CO4	[K$_1$]
10.	What is meant by Social Engineering? Give its classification.	CO4	[K$_1$]

Answer any FIVE Questions:-
PART C (5 x 16 = 80 Marks)
(Answer not more than 400 words)

11.	a)	Discuss on the classification of Cybercrimes in detail.	8	CO1	[K$_2$]
	b)	How do you balance between Information security and its access?	8	CO1	[K$_2$]
12.	a)	What do you mean by Key-loggers? Explain about its working	8	CO1	[K$_2$]
	b)	How is Password Cracking take place? Discuss about different paywork cracking methods.	8	CO1	[K$_2$]

13.	a)	Summarize on the various Risk Control Strategies.	8	CO2	[K$_2$]
	b)	What is Risk Management? Explain how it works.	8	CO2	[K$_2$]
14.	a)	What do you mean by Scanning and Analysis Tool? Explain in detail.	8	CO3	[K$_2$]
	b)	Discuss about Intrusion Detection and Prevention Systems.	8	CO3	[K$_2$]
15.	a)	Explain what is meant by Firewalls? Give its classification and explain about it.	8	CO3	[K$_2$]
	b)	Summarize the working of VPNs.	8	CO3	[K$_2$]
16.	a)	Discuss about Website Audit and Vulnerabilities assessment in detail.	16	CO4	[K$_2$]