



R20 Regulation

Subject code: 3E6GF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, February 2024

NETWORK SECURITY

(CSE(AI&ML))

Maximum Marks: 70

Date:24.02.2024 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks		(10X2M=20 Marks)	CO	Bloom Tx
1	What are the 4 key web service security requirements?		CO1	L1
2	Compare HTTP and HTTPS		CO1	L2
3	How many types of 802.11 are there?		CO2	L1
4	List out the features of wireless application protocol		CO2	L1
5	Define password. Give an example of a strong password		CO3	L1
6	What is the difference between a firewall and IDS?		CO3	L2
7	List out the types of firewall.		CO4	L1
8	What is firewall location?		CO4	L1
9	Is cybercrime and computer crime the same?		CO5	L2
10	State the features of SNMP.		CO5	L1

Part-B

Answer All the following questions.		(5X10M=50 Marks)		
11	A. Is secure socket layer and transport layer security same? Justify. B. What is HTTPS? Give example. [5+5]		CO1	L2 L1
OR				
12	A. Explain about Secure Shell. B. What are the security considerations to be considered while building a web page? [5+5]		CO1	L2 L1
13	A. Discuss the IEEE 802.11 architecture. B. What is WAP? Explain WAP architecture with neat diagram. [5+5]		CO2	L1 L1
OR				
14	A. Explain the IEEE 802.11i protocol. B. On which Networking Model is WAP based upon? [5+5]		CO2	L2 L2
15	A. Describe the main types of malicious software. B. How can virus attacks be prevented? Explain. [5+5]		CO3	L1 L1
OR				

16	A. Explain Intrusion Detection System with neat diagram. B. Explain denial of service attack in network security with neat diagram. [5+5]	CO3	L2 L2
17	A. Why is a Firewall important for Network Security? Justify B. What are Best Practices for Firewall Rules Configuration? [5+5]	CO4	L1 L1
	OR		
18	A. What is a firewall? Explain. B. Classify and explain the types of firewalls in network security. [5+5]	CO4	L1 L1
19	A. Describe the three elements of SNMP. B. Discuss cyber crime and its types. [5+5]	CO5	L1 L1
	OR		
20	A. Sketch SNMP architecture and explain. B. What is intellectual property? Give example. [5+5]	CO5	L1 L1