



R20 Regulation

Subject code:3E6GF

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

**B.Tech VI Semester Supplementary Examinations, May 2025**

**NETWORK SECURITY**

**(CSE(AI&ML))**

Maximum Marks: 70

Date: 25.06.2025

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.
  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)		Marks	CO	BTL
1	What is network security?	2M	1	L1
2	What are the web security considerations ?	2M	1	L1
3	Define cyber crime ?	2M	2	L1
4	Discuss about intrusion detection exchange format ?	2M	2	L1
5	Explain the phases of virus ?	2M	3	L1
6	Discuss IEEE 802.11 services ?	2M	3	L1
7	Write about virus classification by target ?	2M	4	L1
8	What are types of Intruders ?	2M	4	L1
9	Write a note on Macro Viruses ?	2M	5	L1
10	What are the types of intruders ?	2M	5	L1

**Part-B**

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain about WTLS protocol Architecture.	10M	1	L2
	OR			
12	Briefly discuss about IEEE 802.11i wireless LAN overview.	10M	1	L2
13	Explain about key management phase of WLAN security.	10M	2	L2
	OR			
14	a) List and write about Worm countermeasures.	5M	2	L2
	b) Write about Distributed Denial Of Service Attack?	5M		
15	Explain about Audit Records and also explain types of malicious software.	10M	3	L2
	OR			
16	Explain about Rule based intrusion detection.	10M	3	L2
17	Write about password selection strategies?	10M	4	L2
	OR			
18	Write about Firewall basing?	10M	4	L2
19	Write about types of firewalls?	10M	5	L2
	OR			
20	Discuss briefly about the concepts of SNMPV1 legal and ethical aspects.	10M	5	L2