



R20 Regulation

Subject code: 3E6GF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, November 2025

NETWORK SECURITY

(CSE(AI&ML))

Maximum Marks: 70

Date: 15.11.2025

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	Write about web traffic security approaches.	2M	1	L1
2	Write about SSL connection and session.	2M	1	L1
3	List the features provided by WTLS.	2M	2	L1
4	What is Recent Worm Attacks?	2M	2	L1
5	What are Trojan Horses?	2M	3	L1
6	What is Intrusion detection?	2M	3	L1
7	Write about morris worm ?	2M	4	L1
8	What are the parameters of SSL session state?	2M	4	L1
9	Define 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	a) Write about web security threats. b) Explain SSL handshake protocol.	4M 6M	1	L2
OR				
12	Discuss about IEEE 802.11 network components.	10M	1	L2
13	List and briefly define SSH protocol stack.	10M	2	L2
OR				
14	Discuss the operation of WAP.	10M	2	L2
15	Explain about types of malicious software.	10M	3	L2
OR				
16	Explain about statistical anomaly detection.	10M	3	L2
17	Write about types of firewalls?	10M	4	L2
OR				
18	Write about Antivirus approaches and generations of anti-virus software?	10M	4	L2
19	Briefly discuss about SNMPV3 legal and ethical aspects.	10M	5	L2
OR				
20	Explain about intellectual property and ethical issues.	10M	5	L2