R20 Regulation *Subject code: 3E6GF*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, April 2026

NETWORK SECURITY

(CSE(AI&ML))

Maximum Marks: 70 Date: 23.04.2026 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 cybercrime.	2M	2	L1
4	Write about honeypots.	2M	2	L1
5	What are the three benefits that can be provided by an intrusion detection system?	2M	3	L1
6	Write about virus parts ?	2M	3	L1
7	List the difference between SSL connection and SSl session.	2M	4	L1
8	What is the salt in the context of UNIX password management?	2M	4	L1
9	Write about Mobile Phone Worms?	2M	5	L1
10	List any four firewall locations and topologies.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain Secure Socket Layer architecture.	10M	1	L2
	OR			
12	a) Write note on Wireless Markup Language. b) Explain Pairwise Key Distribution.	5M 5M	1	L2
13	Explain about key management phase of WLAN security.	10M	2	L2
	OR			
14	a) List and write about Worm countermeasures. b) Write about Distributed Denial Of Service Attack.	5M 5M	2	L2
15	Explain about Audit Records.	10M	3	L2
	OR			
16	Explain in detail SSH protocol stack.	10M	3	L2
17	What are the two common techniques used to protect a password file?	10M	4	L2
	OR			
18	Discuss about Wire fall characteristics.	10M	4	L2
19	Explain about Firewall location and configurations with neat diagram.	10M	5	L2
	OR			
20	Explain about Cyber crime and computer crime.	10M	5	L2