R20 Regulation *Subject code: 3E7HB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, May 2026

CYBER SECURITY

(CSE(DS))

Maximum Marks: 70 Date: 13.05.2026 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	Define cyber security.	2M	1	L1
2	What is Vulnerability?	2M	1	L1
3	Define Cybercrimes.	2M	2	L1
4	What is Passive Attack with a suitable example?	2M	2	L1
5	Why the need of Cyber law arises?	2M	3	L1
6	List the types of techniques of Credit card Frauds.	2M	3	L1
7	What are the Social media security risks for businesses?	2M	4	L1
8	Define Web Threat.	2M	4	L1
9	List the Data Privacy Attacks.	2M	5	L1
10	Write about Relationship discovery.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	a) Explain how Botnets can be used as a fuel to Cybercrime. b) Distinguish between Human-based social engineering and computer-based social engineering?	10M	1	L2
	OR			
12	Explain various types of stalkers with a case study.	10M	1	L2
13	Explain the trends in mobile credit card frauds in wireless computing.	10M	2	L2
	OR			
14	Describe about Digital Evidence and its characteristics.	10M	2	L2
15	a) Explain the concept of wifi based fraud along with an example. b) Explain Organizational Measures for Handling Mobile.	5M 5M	3	L2
	OR			
16	a) Explain in detail the types of buffer overflow and steps to be considered for minimizing them. b) Explain password cracking in details.	5M 5M	3	L2

17	Explain the Organizational Implications of software privacy.	10M	4	L2
	OR			
18	a) Discuss the impact of digital signature in ITA 2000. b) Explain the amendments of ITA 2008 which addresses the issues emanating from cybercafes.	5M 5M	4	L2
19	a) Explain inside attacks with examples. b) Explain the importance of security in organization.	5M 5M	5	L2
	OR			
20	a) Write short notes on organizational best practices for cybersecurity. b) Explain how can cookies impact data security and personal security.	5M 5M	5	L2