R20 Regulation *Subject code:3P7GB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, May 2026

CYBER SECURITY

(CSE(AIML))

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 Cyberspace and Cybercries.	2M	1	L1
2	Define Techno-Crimes and Techno-Vandalism.	2M	1	L1
3	What type of attacks are done on mobiles?	2M	2	L1
4	What are trends in Mobility?	2M	2	L1
5	List the different types of denial of service attacks.	2M	3	L1
6	Define (i) virus (ii) worms.	2M	3	L1
7	What is the importance of cyber law?	2M	4	L1
8	What are the objects of the IT Act?	2M	4	L1
9	What is security policy?	2M	5	L1
10	What is the Ethical Dimension of Cyber Crime?	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?	5M 5M	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	Explain about smishing and vishing attacks on mobiles.	10M	2	L2
15	a) Differentiate between computer virus and worms with two examples each. b) Explain about proxy servers and anonymizers.	5M 5M	3	L2
	OR			
16	Explain about trojan horses and backdoors in details with examples.	10M	3	L2
17	a) Explain about public key certificates. b) What are the positive aspects of the ITA 2000? Explain.	5M 5M	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 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