R20 Regulation *Subject code:3P7GB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, October 2026

CYBER SECURITY

(CSE(AIML))

Maximum Marks: 70 Date: 30.10.2026 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 are the advantages of cloud computing?	2M	1	L1
2	Differentiate the passive attacks and active attacks.	2M	1	L1
3	Define mobile viruses and mishing.	2M	2	L1
4	Write about credit card Frauds?	2M	2	L1
5	Define Distributed denial of Service(DDoS).	2M	3	L1
6	Write the preventive measures for SQL Injection Attack.	2M	3	L1
7	What are the different phases during the attack on the network?	2M	4	L1
8	List the positive aspects of the ITAct2000.	2M	4	L1
9	What is industrial espionage?	2M	5	L1
10	List the different types of social media tools.	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	What is cyber stalking? 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	a) How are we providing authentication service security with an example? b) Explain in detail about mobile viruses along with an example.	5M 5M	2	L2
15	a) Explain password cracking in detail? b) Write the preventive measures for SQL Injection attacks?	5M 5M	3	L2
	OR			
16	Explain about DOS and DDOS attacks.	10M	3	L2
17	Explain about digital signature in the IT Act.	10M	4	L2
	OR			

18	Explain admissibility of electronic records in the Indian ITAct 2000.	10M	4	L2
19	Explain about cost of cybercrime and IPR issuse.	10M	5	L2
	OR			
20	a) Explain Intellectual property in cyberspace. b) Explain Ethical Hackers in detail.	5M 5M	5	L2