



R20 Regulation

Subject code:3P7GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, November 2025

CYBER SECURITY

(CSE(AIML))

Maximum Marks: 70

Date: 28.11.2025

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	Address the types of services provided by cloud computing.	2M	1	L1
2	Define the different categories of Cyber Crimes.	2M	1	L1
3	What are the security implications for organizations?	2M	2	L1
4	Write about credit card Frauds?	2M	2	L1
5	Define Distributed denial of Service(DDoS).	2M	3	L1
6	What are random passwords?	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 ITA 2000.	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	a) Explain the classification of cybercrimes in detail? b) How do viruses get disseminated? Explain with diagrams.	5M 5M	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) Explain password cracking in detail. b) Write the preventive measures for SQL Injection attacks?	5M 5M	3	L2
OR				
16	Explain about trojan horses and backdoors in details with examples.	10M	3	L2
17	Explain about digital signature in the ITA Act.	10M	4	L2
OR				

18	Explain in detail about CHAPTER XI OF THE ITA 2000.	10M	4	L2
19	Explain “dataveillance” and “browse-fingerprinting”.	10M	5	L2
	OR			
20	Cyber ethics is the philosophic study of ethical values relating to computers and how it affects individuals and society?	10M	5	L2