



R20 Regulation

Subject code: 3P7GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Regular Examinations, November 2023

CYBER SECURITY

CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Maximum Marks: 70

Date:06.12.2023 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 which carries 10M.
 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)

Bloom

1	Define Cyber Crime.	Tx
2	Define active and passive attacks.	L1
3	Discuss various Trends in mobility.	L1
4	List Security challenges posed by Mobile Devices.	L2
5	Define Phishing.	L1
6	Discuss the difference between Virus & Worms.	L1
7	Explain the Need of cyber laws.	L2
8	Discuss the information technology Act.	L2
9	What is the cost of cyber crimes in India.	L2
10	Who are cyber criminals and types?	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

11	A. Demonstrate Botnets, what are they and how can you protect yourself? [5] B. What are the objectives of Cybercrime Act and explain the Indian IT Act 2000. [5]	L3
	OR	L1
12	A. What is Cyber Stalking? Explain various types of Stalkers with a case study. [5] B. Explain the classification of Social Engineering with examples. [5]	L2 L2
13	A. Explain the trends in mobile credit card frauds in wireless computing. [5] B. Explain about Vishing and Smishing in detail. [5]	L2 L2
	OR	
14	Explain Organizational Security Policies and Measures in Mobile Computing Era. [10]	L2
15	A. Differentiate between computer Virus and Worms with two examples each. [5] B. Explain about Trojan Horses and Backdoors in detail with examples. [5]	L4 L2
	OR	

16	A. What are the DDoS Attacks and explain how to protect from DDoS attacks. [5] B. Explain about traditional techniques of attacks on Wireless Networks. [5]	L2 L2
17	A. Discuss the impact of Digital signatures in ITA 2000. [5] B. Explain the Consequences of Not Addressing the Weakness in Information technology Act. [5]	L2 L2
OR		
18	A. Write the need of Cyber laws. [5] B. Write the Amendments of the Indian IT Act. [5]	L1 L1
19	A. Write the IPR Issues? [4] B. Explain the Web Threats for Organizations. [6]	L1 L2
OR		
20	A. Explain about the ethical dimensions of the cyber crimes. [5] B. Explain Security and Privacy Implications from Cloud Computing. [5]	L2 L2