



R18 Regulation
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 2E70F6

B.Tech VII Semester Supplementary Examinations, November 2023

INFORMATION SECURITY
(Information Technology)

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)		
1	Write the passive attacks?	L1
2	What is an fabrication?	L1
3	Compare AES with DES?	L2
4	Compare block ciphers with stream ciphers.?	L2
5	Define masquerade?	L1
6	Define Message Authentication Code?	L1
7	List the benefits of IPSec?	L1
8	Explain IP Security?	L2
9	What is Secure Socket Layer?	L1
10	What are the limitations of firewalls?	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		
11	Explain any three substitution techniques with suitable examples. [10]	L2
	OR	
12	Give an example to explain the concept of transposition techniques in detail. [10]	L2
13	Explain RSA algorithm with suitable examples. [10]	L2
	OR	
14	Explain DES algorithm. [10]	L2
15	Write a short note on Kerberos. [10]	L2
	OR	
16	Explain CMAC. [10]	L2
17	a) Write a short note on Pretty Good Privacy. [5] b) Give IP Security architecture with neat diagram. [5]	L2 L2
	OR	
18	Draw the IP security authentication header and explain the functions of each field. [10]	L2
19	Discuss about Password Management. [10]	L2
	OR	
20	Explain types of viruses. [10]	L2