



**Regulation R17**  
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous, Accredited by NAAC with 'A' Grade)

**Subject code: 1P7EA**

**B.Tech IV Year I Semester Supplementary Examinations, July 2022**  
**NETWORK SECURITY AND CRYPTOGRAPHY**  
(CSE)

**Maximum Marks: 70**

**Duration: 3 hours**

**Part-A**

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define information security?
- 2 List types of security attacks?
- 3 Write short notes key distribution?
- 4 Define diffusion?
- 5 What is message authentication code?
- 6 Define hash function.
- 7 Define SSL?
- 8 What is web security?
- 9 Define IP security?
- 10 What is ESP?

**Part-B**

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain security attacks in detail? (10)
- OR
- 12 Explain Caesar and playfair cipher techniques? (10)
- 13 Explain cipher block modes of operation? (10)
- OR
- 14 Explain RC4 in detail? (10)
- 15 Explain SHA-512 algorithm in detail? (10)
- OR
- 16 Explain Kerberos version 4 in detail? (10)
- 17 Describe Secure Socket Layer (SSL). (10)
- OR
- 18 Briefly describe the four IEEE 802.11i phases of operations? (10)
- 19 Explain Pretty Good Privacy (PGP)? (10)
- OR
- 20 Define IP security and need for IP security with applications? (10)