



Regulation R17

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

Subject code: 1E5FE

B.Tech III Year I Semester Supplementary Examinations, December 2021
INFORMATION SECURITY
(INFORMATION TECHNOLOGY)

Maximum Marks: 70

Date: 08.02.2022 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

- 1 Write about Access Control? (10x2M=20 Marks)
- 2 Write passive attacks?
- 3 What are the basics of PGP services?
- 4 What is Linear cryptanalysis attack?
- 5 Write a short note on DES ALGORITHM?
- 6 What are the advantages of using public key cryptography?
- 7 Write about work flow of two way Authentication?
- 8 Write a short notes on X.509?
- 9 What are the Intrusion Techniques?
- 10 Write note on Threats to Security?

Part-B

Answer All the following questions.

- 11 What are the factors involved in designing a network security? (10M) (5X10M=50Marks)
- 12 Differentiate between transposition and substitution techniques with examples. (10M)
OR
- 13 What is Security Association (SA)? Explain? (10M)
OR
- 14 Explain Authentication header with a neat diagram. (10M)
- 15 Explain about Web threats and their counter measures. (10M)
OR
- 16 What is SSL? Explain the features of SSL. (10M)
- 17 Write a description on distributed network management. (10M)
OR
- 18 What are the Key elements of SNMP? Explain. (10M)
- 19 What are the various password selection process? Explain in detail. (10M)
OR
- 20 Explain INTRUSION detection Schemes. (10M)