



R20 Regulation

Subject code: 3P7EB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, April 2024

INFORMATION SECURITY

(CSE)

Maximum Marks: 70

Date: 30.04.2024 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)

- 1 What are the roles of chief information officer?
- 2 Define law.
- 3 What is security awareness?
- 4 What is a threat?
- 5 Define risk assessment and risk control.
- 6 Explain about residual risk?
- 7 What is revocation?
- 8 What is cross certification?
- 9 Write short notes on Continuous Assessment in information security?
- 10 Define network monitoring.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 What is security? Explain about components of information system. [10M]

OR

- 12 Write in detail about balancing and approaches of information security. [10M]

- 13 Explain about any two information security policies. [10M]

OR

- 14 Explain in detail about technical software failures. [10M]

- 15 Differentiate Quantitative Versus Qualitative Risk Management Practices. [10M]

OR

- 16 Define risk strategy? Explain different strategies for controlling risk [10M]

- 17 What is technology governance? What is change control? How are they related? [10M]

OR

- 18 What is a project plan? List what a project plan can accomplish. [10M]

- 19 What is firewall? Explain different types of firewalls. [10M]

OR

- 20 Explain about monitoring internal and external environment in security maintenance. [10M]