



R17 Regulation

Subject code: 1E7EB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Year I Semester Regular Examinations, February 2021

INFORMATION SECURITY ASSESSMENTS AND AUDITS

(Computer Science and Engineering)

Maximum Marks: 70

Date: 27.02.2021 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 ethics of an information security Auditor?
- 2 Discuss common issues and variances of Performance Metrics.
- 3 Define Pre-audit checklist and Vulnerability Analysis.
- 4 Compare External , internal ,Firewall and IDS Security Auditings.
- 5 Explain social Media countermeasures.
- 6 Jot down the Threats and Vulnerabilities of information Security.
- 7 Risk Management Feedback Loops – Define.
- 8 Differentiate between Risk Treatment and Residual Risk.
- 9 What is Configuration Management?
- 10 Why do we perform Configuration Reviews?

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 Explain information security Methodologies.(10M)
OR
- 12 Elaborate on the phases of information security Audit and Strategies.(10M)
- 13 Detail on Information Security Audit Tasks, Reports And Post Auditing Actions.(10M)
OR
- 14 List down the Information Security Audit Deliverables & procedure of Writing Report.(10M)
- 15 Compare and Contrast Human-based Social Engineering, Computer-based Social Engineering of vulnerability management.(10M)
OR
- 16 Explain Vulnerability Management such as Vulnerability Scanning, testing, Threat Management, Remediation etc.(10M)
- 17 Describe the phases and types of Information Security Assessment.(10M)
OR
- 18 How to Choose the right tools for Vulnerability Assessment Records.(10M)
- 19 What are Configuration management Requirements-Plan-Control ?(10M)
OR
- 20 Explain in Detail about Development of Configuration Control Policies and Testing.(10M)

