



R17 Regulation

Subject code: 1E7EB

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

B.Tech IV Year I Semester Supplementary Examinations, July 2022

INFORMATION SECURITY ASSESSMENTS & AUDITS
(CSE)

Maximum Marks: 70

Duration: 3 hours

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define information security Assessment
- 2 Define information security audit
- 3 What is the purpose of Audit?
- 4 Define Information gathering
- 5 Define Threat.
- 6 Define Vulnerability Management
- 7 Why to Carry out Vulnerability Assessment
- 8 Explain about misconfigurations and buffer overflows
- 9 Define Configuration Management
- 10 What do you mean by Configuration Baseline

Part-B

Answer all the following questions.

(5X 10M =50 Marks)

- 11 A. Define 'Metric' in ISAA and list the security metric categories.
B. Describe the steps in developing metric process. [5+5]
OR
- 12 Explain in detail about the need of Security audit and the Security Control Testing Methodologies based on pentest.[10]
- 13 A. What is Vulnerability Analysis? Explain analysis tools and phases.
B. Describe Pre-Audit check list, Audit check list, Post Audit check list. [5+5]
OR
- 14 A. What are the phases in information gathering methodology? Illustrate in detail.
B. List and Explain Information Gathering process steps in detail. [5+5]
- 15 A. Describe the defensive techniques of social engineering.
B. Explain in detail Human based social engineering. [5+5]
OR
- 16 A. Explain in detail about Social Media Countermeasures
B. State information security vulnerabilities and with the misuse and describe the components of threats. [5+5]
- 17 A. How do you classify Vulnerability Assessment? Explain in detail
B. Illustrate the types of vulnerability assessments. [5+5]
OR
- 18 A. Describe the vulnerability free scanners.
B. Explain the application of information security risk assessment? [5+5]
- 19 Explain in detail about Organizational SecCM Policy. [10]
OR
- 20 A. Explain about Security Focused Configuration Management phases.
B. Describe about configuration management plan. [5+5]