R20 Regulation *Subject code:* **3E7GB**

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, April 2024

INFORMATION SECURITY

(CSE(AI&ML))

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 is vandalism?
2 Differentiate attack and threat.
3 List out the types of laws.
4 What is security planning?
5 Differentiate risk identification and risk control.
6 What is threat assessment?
7 Write about project planning.
8 What is the difference between private key and public key?
9 Write down the firewall rules.
10 Write about the virtual private networks.

Part-B

Answer All the following questions. (10M X 5=50Marks)

11 Explain security in the system development life cycle. [10M]

OR

12 What is contingency planning? Explain the components of contingency planning. [10M]

13 Discuss about the types of threats to the information security. [10M]

OR

14 a) What is information security governance? Who in the organization should plan for it?
b) What is a policy? How is it different from a law? [5+5M]

15 Discuss briefly about components of risk management. [10M]

OR

16 Illustrate risk assessment. How risk assessment is assessed? [10M]

17 Discuss in detail about the Public Key Cryptography. [10M]

OR

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

19 Define Digital Forensics. Explain Methodologies. [10M]

OR

20 Explain the domains of Security Maintenance Model. [10M]