

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI Computer Science & Business Systems : SUMMER : 2025
SUBJECT: INFORMATION SECURITY

Day : Monday
Date : 26/05/2025

S-24182-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

- Q.1 What is the information security policy (ISP)? Explain its importance and key elements in detail. (10)
- OR**
- Q.1 Illustrate security life cycle with diagram in detail. (10)
- Q.2 What is access control? Explain different access control models. (10)
- OR**
- Q.2 Define Authentication and Authorization in detail. Elaborate on their distinct methods in detail. (10)
- Q.3 What is the confidentiality policy? Explain Bell-La-Padula classic security model. (10)
- OR**
- Q.3 What is integrity policy? Explain Biba classic security model. (10)
- Q.4 Explain various sources of security threats in detail. (10)
- OR**
- Q.4 Elaborate on Email Threats in detail. (10)
- Q.5 What is intrusion detection? Describe intrusion detection system with diagram in detail. (10)
- OR**
- Q.5 Explain database security in detail. (10)
- Q.6 Explain security audit in detail. (10)
- OR**
- Q.6 Illustrate Business Continuity Planning and Disaster Recovery. (10)
