

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI Computer Science & Business Systems : WINTER : 2024
SUBJECT: INFORMATION SECURITY

Day : Saturday
Date : 07/12/2024

W-24182-2024

Time : 10:00 AM-01:00 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 are the principles of information security? Explain symmetric and asymmetric cryptosystems with suitable diagram. (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 integrity policy? Explain Biba classic security model. (10)
- OR
- Q.3 Explain in detail Clarke Wilson Security Model. (10)
- Q.4 Explain various sources of security threats in detail. (10)
- OR
- Q.4 Elaborate on Web Threats in detail. (10)
- Q.5 Describe operating system security with detailed explanation. (10)
- OR
- Q.5 What is intrusion detection? Describe intrusion detection system with diagram in detail. (10)
- Q.6 Explain security Audit in detail. (10)
- OR
- Q.6 Illustrate Business Continuity Planning and Disaster Recovery. (10)
