

**BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)**  
**B. Tech. Sem – VI CSBS : WINTER: 2025**  
**SUBJECT: INFORMATION SECURITY**

Day : Monday  
Date : 24/11/2025

**W-24182-2025**

Time : 2:30 PM-5:30 PM  
Max. Marks : 60

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labelled diagrams **WHEREVER** necessary.

- Q. 1 Explain confidentiality, integrity, and availability with suitable examples. (10)  
OR  
Q.1 What are security violations and threats? Describe different types. (10)
- Q. 2 Compare discretionary, mandatory, role-based and task-based access control models. (10)  
OR  
Q.2 What is trusted computing? Explain trusted systems with examples. (10)
- Q. 3 Explain confidentiality, integrity and hybrid security policies. (10)  
OR  
Q.3 What is non-interference? Describe policy composition. (10)
- Q.4 What are the sources and motives of security threats? Explain in detail. (10)  
OR  
Q.4 Explain E-mail threats and web threats with examples. (10)
- Q. 5 Explain malicious logic and various types of malware. (10)  
OR  
Q.5 What is intrusion detection? Describe any two IDS techniques. (10)
- Q. 6 Explain principles of information security audit with examples. (10)  
OR  
Q.6 What is business continuity planning? Explain disaster recovery steps. (10)

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