

B.E. SEM-VII C-Scheme Summer 2025

INFT

616124

Duration: 3 Hours

Max. marks: 80

N.B. (1) Question No. 1 is compulsory.

(2) Out of remaining questions attempt any three.

(3) Figures to right indicate full marks.

- Q1) Solve any four 20 M
- a) What is transient and resident virus? Explain trap door and logic bomb.
 - b) What is Buffer Overflow attack and how is it prevented?
 - c) How is VPN helpful in securing data?
 - d) Describe in brief different countermeasures for cloud security.
 - e) What are different types of mobile security threats?
- Q2) 20 M
- a) Explain in detail the file protection mechanism.
 - b) Explain different wireless network threats.
- Q3) 20 M
- a) Explain Bell La Padula Multilevel security model with appropriate diagram.
 - b) Explain different types of email attack.
- Q4) 20 M
- a) Describe in brief different countermeasures for cloud security.
 - b) Explain different web server and web browser attacks?
- Q5) 20 M
- a) What is session Hijacking? Explain various techniques that could be used for Hijacking sessions.
 - b) Explain Wireless Intrusion Detection System.
- Q6) 20 M
- a) Explain in detail Business Continuity and Disaster Recovery Planning.
 - b) Discuss Trust Boundaries and IAM.
