

Time 3 Hours

[Total Marks 80]

- N. B.:**
1. Question No. 1 is compulsory.
  2. Solve any THREE from Question No. 2 to 6.
  3. Draw neat well labelled diagram wherever necessary.

**Q. 1 Answer any four**

- a) Describe various password cracking attacks (05)
  - b) Explain Business Continuity plan. (05)
  - c) How does SSH help to achieve security. (05)
  - d) Differentiate between OAuth and SAML. (05)
  - e) Explain buffer overflow attack along with its causes. (05)
- Q 2 a) Explain different types of Email Attacks (10)
- b) Explain different mobile device security threats in detail. (10)
- Q. 3 a) How Bell-LaPadula model work to achieve access control. (10)
- b) Explain in detail Enterprises Mobility Management EMM with its components. (10)
- Q. 4 a) What is VPN and what are different security concerns? (10)
- b) Explain in detail steps involved in risk analysis. (10)
- Q. 5 a) Explain Multilevel database security models in detail. (10)
- b) Explain penetration testing stages. (10)
- Q. 6 a) Explain File protection system in software security. (10)
- b) Discuss the Cloud Identity and Access Management and its importance. (10)

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