

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) Explain SQL injection attack in detail with example
- 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 is authentication? Explain any two techniques of authentication.

Q2)

- a) Explain different access control policies using suitable example.
- b) Explain different wireless network threats.

20 M

Q3)

- a) Explain BIBA Multilevel security model with appropriate diagram.
- b) Explain different types of email attack.

20 M

Q4)

- a) Describe in brief different countermeasures for cloud security.
- b) Explain different web server and web browser attacks?

20 M

Q5)

- a) What is session Hijacking? Explain various techniques that could be used for Hijacking sessions.
- b) What is OWASP? Explain its ten vulnerabilities.

20 M

Q6)

- a) Explain in detail Business Continuity and Disaster Recovery Planning.
- b) What are the challenges in legal enforcement in the case of cybercrimes?

20 M

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