

Duration :-2:30

Marks:-60

Instructions:

- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw diagrams when necessary.

Q1 Solve any two (12)

- Explain the structure of penetration testing
- Explain in detail fingerprinting
- Explain firewall policies bypass techniques

Q2 Solve any two (12)

- Explain application testing and also explain white box and black box testing.
- Explain remote operating system fingerprinting.
- Explain SQL injection in detail.

Q3 Solve any two (12)

- Describe wireless network security and logging system.
- Describe XSS attacks with example
- Describe router policies and IPS

Q4 Solve any two (12)

- Explain the concept of infrastructure testing
- Explain in detail active and passive techniques
- Explain patch management automation with respect to Linux operating system

Q5 Solve any three (12)

- Describe Ips and firewall in detail
- Explain Arp poisoning
- Give diagrams and explain reconnaissance work flow
- Explain Http connection in detail with suitable diagrams