

Q. P. Code:-24595

[Total marks:80]

[Time: 3 Hours]

PS 1) Question No. 1 is Compulsory.

- 2) Attempt any three questions out of remaining.
- 3) Assume suitable data if necessary.

Q1. a) What do you understand by Asset Characterization? [05]

b) Explain IT Asset life cycle and Asset identification. [05]

b) Explain HIPPA and GLBA laws and mandates. [05]

c) Briefly explain vulnerability, threat and attacks with respect to Hospital Information system. [05]

Q2. a) What are certificates? What are certificate authorities? What services do they provide? [10]

b) Explain the role of configuration management in security of an organization. Give the configuration management framework. [10]

Q3. a) Explain TCP port scanning methods used by attackers and security consultants and list some tools to perform the same. [10]

b) What are the final report preparation steps and post assessment activities in performing network assessment. [10]

Q4. a) Explain the layered approach (Defense-in-depth) for Risk-Assessment. [10]

b) Explain web application attacks and strategies. [10]

Q5. a) Briefly explain ICMP probing. What are the tools used for that? [10]

b) Explain what is Information planning and Governance. What are Information policy standards? [10]

Q6. a) Explain the role of the Audit Committee and how it helps the Organization. What is the need for conducting Audit? [10]

b) What are the steps for testing web servers? List tools for at least steps mentioned above. [10]
