Q.P.Code: 017012

[Time: 3 Hours]   [Total marks:80]

PS 1)   Question No. 1 is Compulsory.

   2)   Attempt any three questions out of remaining.

   3)   Assume suitable data if necessary.

Q1. a) Explain the need for Security. Describe the basic Information Security Model.   [10]

   b) Explain the different forms of Assets with examples.   [5]

   c) Briefly explain vulnerability, threat and attacks.   [5]

Q2. a) Explain Quantitative and Qualitative Risk-Assessment Approaches with suitable examples.

                                                                                       [10]

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

Q3. a) Explain scanning and analysis tools for network assessment along with their working principle.   [10]

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

Q4. a) What are certificates? What are certificate authorities? What services do they provide? [10]

   b) what does testing of web services involve? How can you identify web servers?   [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) Explain IT risk Management framework. Explain the ISO 27000 series.   [10]

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