USN ☐☐☐☐☐☐☐☐☐☐ 16/17SFC253

Second Semester M.Tech. Degree Examination, June/July 2018
Information Security Policies in Industry

Time: 3 hrs.   Max. Marks: 80

Note: *Answer any FIVE full questions, choosing one full question from each module.*

Module-1

1 a. What are information security policies? Discuss how policies should be developed.
                                                                                (08 Marks)
   b. Illustrate the different levels in policy development.   (04 Marks)
   c. Discuss the roles and responsibility of CERT.   (04 Marks)

OR

2 a. What is the best time to develop policies? Explain in detail.   (08 Marks)
   b. List the different considerations made while analyzing back up policies.   (04 Marks)
   c. What are the responsibilities of the management to ensure information security? (04 Marks)

Module-2

3 a. Discuss policy format and content in detail.   (08 Marks)
   b. Describe the processing of a system service request.   (08 Marks)

OR

4 a. List and explain policy key elements.   (08 Marks)
   b. Discuss topic specific Tier – 2 policies.   (08 Marks)

Module-3

5 a. What is contingency planning? Discuss different considerations for contingency plan.
                                                                                (08 Marks)
   b. Why e-mail monitoring is required? Explain.   (04 Marks)
   c. With neat diagram explain network architecture creating a DMZ.   (04 Marks)

OR

6 a. Write information security policy document considering you are heading a security team for mobile manufacturing company. (08 Marks)
   b. Briefly discuss network addressing and architecture.   (04 Marks)
   c. What are the principles confirmed for e-commerce policies?   (04 Marks)

Module-4

7 a. Discuss the policy to establish the type of virus protection.   (08 Marks)
   b. Discuss the merits and demerits of third party software development.   (04 Marks)
   c. Briefly discuss revision control request and configuration management.   (04 Marks)

OR

8 a. Discuss the policy requirements for key generation and key management.   (08 Marks)
   b. Define software development and discuss software development processes.   (08 Marks)

Module-5

9   a.   What is the need for reporting a security problem? Explain the enforcement policy for reporting of a security problems.   **(08 Marks)**
    b.   What should be included in policy for reviews? Explain.   **(04 Marks)**
    c.   Explain internet user responsibilities.   **(04 Marks)**

OR

10 a.   How periodic reviews of policy document are done? Explain.   **(08 Marks)**
    b.   Discuss different considerations when computer crimes are committed.   **(04 Marks)**
    c.   What are the common sense guidelines about speech?   **(04 Marks)**

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