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Question Paper Code : 70162

M.E./M.TECH. DEGREE EXAMINATION, APRIL/MAY 2018

Second Semester

M.E. Computer Science and engineering

CP5291 – SECURITY PRACTICES

(Common to : M.E. Mobile and Pervasive Computing)

(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. How do you detect the presence of an Intruder ?
2. What are secured web services ?
3. Which one is tedious ? : Wired network security or wireless network ? Justify.
4. How challenging one is an optical network security ?
5. What are the guidelines for security management ?
6. How Intrusion can be prevented if possible ?
7. What covers under cyber forensics ?
8. What is meant by data encryption ?
9. Is there any conflict among security policies ? If so why ?
10. What is the actions required if risks are beyond manageable ?

PART – B

(5×13=65 Marks)

11. a) Explain Intrusion Detection System, its behavior and its responsibilities, with its prevention features.

(OR)

- b) Describe fault tolerance in cloud computing environments.

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12. a) Explain internet security, with local area network security. Write the challenges.

(OR)

b) Discuss about cellular network security and optical wireless network security.

13. a) Explain security management system and its features.

(OR)

b) What is the logic behind on line user management system ? How identities are checked ? What is the scope for 100% guarantee in identification ?

14. a) Discuss about security E-discovery and incidence response.

(OR)

b) Explain the password based authentication system. How keys are engaged ?

15. a) How personal privacy policies are devised ? How privacy enhancing techniques are developed ? Discuss.

(OR)

b) Illustrate the cause and need for security in storage area network. How the devices are functioning ? Illustrate.

PART – C

(1×15=15 Marks)

16. a) Explain the network security and security management policies and implementation issues for a specific applications.

(OR)

b) How satellite encryption techniques are used for implementing security in environment monitoring ? Explain.
