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Question Paper Code: 92042

M.E. DEGREE EXAMINATION, OCTOBER - 2014.

Elective

Computer Science and Engineering (With Specialization in Networks)

01PNE515 – ENTERPRISE NETWORKS

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. What are the characteristics of Data communication?
2. Write down the different types of transmission modes.
3. What is the difference between baseband and broadband?
4. What is a crosspoint in a crossbar switch?
5. List out the internal networking interfaces in Windows 2000.
6. What are the characteristics of network operating system?
7. Differentiate internet and intranet.
8. Write down the internet applications for Enterprise.
9. What are the features of Firewall?
10. Define the term Integrity.

PART - B (5 x 14 = 70 Marks)

11. (a) Explain in detail about the various layers of OSI model with neat diagram. (14)

Or

(b) (i) Why are protocols needed? Discuss on the elements of a protocol. (7)

(ii) Write short note on networking media. (7)

12. (a) Explain CSMA/CD and its use. What parts of the 802 project uses CSMA/CD. (14)

Or

(b) (i) Briefly explain about the various types of WAN Topologies. (7)

(ii) How is the physical topology classified? Explain. (7)

13. (a) How to organize network elements in Windows 2000. (14)

Or

(b) Describe about Netware based networking. (14)

14. (a) Briefly explain about internet working with TCP/IP for Enterprise network. (14)

Or

(b) Discuss on Enterprise networking with UNIX system. (14)

15. (a) Write the detailed procedure for maintaining and upgrading computer networks. (14)

Or

(b) How to manage network design and implementation in Enterprise network management? (14)

PART - C (1 x 10 = 10 Marks)

16. (a) Discuss on WAN implementation and remote connectivity in briefly. (10)

Or

(b) Briefly explain about the various issues and techniques in Enterprise network security. (10)