Reg. No. : | | | | | | | | | | |

Question Paper Code: 92023

M.E. DEGREE EXAMINATION, OCTOBER - 2014.

Elective

Communication Systems

01PCM518 - NETWORK MANAGEMENT SYSTEM

(Regulation 2013)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. Define network topology.
2. Mention the communication protocols and its standard.
3. Differentiate between organizational and information model.
4. What are the ASN.I keywords?
5. What in meant by protocol remote monitoring?
6. What are the changes in SNMP V2?
7. Give the services of broadband networks.
8. What is virtual LAN?
9. What are the steps involved in fault management system?
10. What are the characteristic associated with services in service level management?

PART - B (5 x 14 = 70 Marks)

11. (a) (i) Discuss briefly about the WAN and its applications. (7)

(ii) Differentiate bridges and switches. (7)

Or

(b) (i) Explain about Gateways and protocol convertors. (7)

(ii) Discuss the features of ISDN transmission Technology. (7)

12. (a) Explain in detail about the information model and communication model in OSI. (14)

Or

(b) (i) Discuss encoding structure in OSI networks? (7)

(ii) Write short notes on functional model. (7)

13. (a) Give the Information model in SNMP and explain its components. (14)

Or

(b) Discuss about SNMP proxy server and management information concepts. (14)

14. (a) (i) Give an account of ATM LAN Emulator. (7)

(ii) Discuss the role of ILMI in ATM management. (7)

Or

(b) Discuss about the interfaces M1, M2, M3 and M4 in ATM network management. (14)

15. (a) State and explain the various approaches to event correlation techniques. (14)

Or

(b) (i) Describe the applications of network management in security management. (7)

(ii) Discuss about policy based management in detail. (7)

PART - C (1 x 10 = 10 Marks)

16. (a) Make a case study on ATM digital exchange interface management. (10)

Or

(b) Discuss in detail about the network management goal organization and functions. (10)

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