



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2018

16PCA4ES05- NETWORK ADMINISTRATION

Date: 30-04-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions

10* 2 = 20

1. What are the Goals of network management?
2. What are the services by the Data Link Layer?
3. Distinguish between connectionless and connection oriented services.
4. What are the routing protocols?
5. What are the roles of JMX?
6. What is the use of eTOM
7. What is Remote Monitoring?
8. List all the network status tools.
9. What are the steps involved in fault management?
10. What are the different categories in system reports

PART – B

Answer ALL questions

5* 8 = 40

11. a) Explain different kinds of Network management perspectives.
(or)
b) Explain all the connecting devices
12. a) Explain Classful addressing in detail
(or)
b) Explain all the services provided by the TCP
13. a) Explain SNMPv1 functional model.
(or)
b) Write short notes on ASN data type definition.
14. a) Write short notes on SNMPv3 applications.
(or)
b) Explain all the system utilities for network management
15. a) Explain configuration management in detail
(or)
b) Explain Home networking technologies in detail

PART – C

Answer any TWO questions

2 * 20 = 40

- 16. a) Discuss Broad band access networks and its services
 - b) Discuss ICMPv4 messages in detail
- 17. a) Discuss Network management model in detail
 - b) Discuss Network Statistics Management system in detail
- 18. a) Discuss the different Cryptographic communication in detail.
 - b) Discuss MPLS network technologies in detail

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