LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS
FOURTH SEMESTER – APRIL 2015
CA 4958 - NETWORK ADMINISTRATION

Date : 27/04/2015   Dept. No.   Max. : 100 Marks
Time : 09:00-12:00

PART – A

Answer ALL questions: (10* 2 = 20)

1. Compare Hub and Switch
2. What is the use of sequence number?
3. Write the Port numbers for FTP and SMTP
4. What are the Routed protocols?
5. What is OUI?
6. When do we use Port Address Translation?
7. Define DNS root.
8. Compare forward and reverse look up zone.
9. What is Cloud in networking?
10. What are some types of WAN circuits?

PART – B

Answer ALL questions: (5* 8 = 40)

11. a) Explain the concept of Data encapsulation in networking

(or)

   b) Explain the HTTP request and response message format.

12. a) Explain High Level Data Link Control in detail

(or)

   b) Discuss Static routing vs Dynamic routing

13. a) Explain Subnetting vs Super netting

(or)

   b) Discuss Classless Inter-domain routing

14. a) Explain the advantages and disadvantages of DHCP

(or)

   b) What is DORA process? How it works? Explain it.

15. a) Explain the concept of Frame relay technology.

(or)

   b) Write short notes on Virtual private networks

PART – C

Answer any TWO questions (2 * 20 = 40)

16. a) Discuss the different functions of each layer in OSI reference model.
   b) Discuss all the Routed protocols in detail.
17. a) Discuss subnetting Class A and Class B addressing in detail.
   b) Discuss the different WAN connection type in detail.
18. Discuss in detail about the DNS .

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