LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A.DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FOURTHSEMESTER – APRIL 2018

CA 4958- NETWORK ADMINISTRATION

Date: 10-05-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART – A

Answer ALL questions: **10* 2 = 20**

1. Write all the functions of Routers

2. What MAC address?

3. What do you mean by connections less transmission?

4. What is Dynamic routing?

5. What is the use CRC?

6. Illustrate the features of RIP

7. What do you mean by subnetting?

8. Describe DNS.

9. List all the features of WAN

10. Define the concept encapsulation in networking?

PART – B

Answer ALL questions: **5* 8 = 40**

11.a) Explain FTP data connections in detail

(or)

b) Explain the HTTP request and response message format

12. a) Write short notes on routing and routed protocols.

(or)

b) Explain CSMA/CD in detail

13. a) Explain the concept of Error detection in detail.

(or)

b) Write short notes on subnet mask

14. a) Explain primary and secondary DNS in detail

(or)

b) Discuss DNS messages in detail

15. a) write short notes on WAN technology.

(or)

   b) Write short notes on Multi-Protocol Label Switching

PART – C

Answer any TWO questions   **2 * 20 = 40**

16. a) Explain the concept of TCP three way handshaking.

   b) Discuss IPv4 classful addressing scheme in detail

17. a) Discuss Classless Inter-domain Routing

   b) Explain DHCP services in detail

18. a)Write short notes on frame relay cloud

   b) Discuss OSPF in detail.

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