15U539 (Pages:2) Name: ………………………

Reg. No……………………..

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, OCTOBER 2017
(CUCBCSS-UG)
CC15U BCA5 B10 - COMPUTER NETWORKS
(Core Course)
(2015 Admission Regular)

Time: Three Hours   Maximum: 80 Marks

Part A
Answer all Question. Each question carries 1marks

1. -------- is a repository of information linked r from the points all over the world.

2. -------- layer links the network support layers and user support layers

3. -------- layer is responsible for providing service to the users

4. In ------ communication ,there is one source and group of destinations

5. An e-mail address contains two parts :a local address and -----

6. Number of bits used in IPV6 -----

7. ICMP is a -------- layer protocol

8. Expansion of HTTP is ------

9. Extra bit added to data for error correction is known as -------

10. ------- is a number or set of numbers on which a cipher operates

(10x1=10 Marks)

Part B
Answer All Questions. Each question carries 2 marks

11. Difference between open loop and closed loop congestion control?

12. What are different Networking devices?

13. Name two standard creation committees?

14. What are the different layers in TCP/IP model?

15. Define encryption and decryption?

(5x2=10 Marks)

Part C
Answer any Five Questions. Each question carries 4 marks

16. Discuss about Quality of services in networking

17. What is meant by congestion control? Explain any two congestion control policies?

18. Explain different network Topologies and cite the advantages and disadvantages

19. Write short notes on Domain Name system

20. Define different functions of Simple Network Management Protocol?

21. Define the format of a common routing table

22. Explain Link state routing algorithm

23. Explain about LRC and CRC in used in error correction mechanism

(5x4=20 Marks)

Part D
Answer any Five Questions. Each question carries 8 marks

24. Explain about the seven layers and its function in the OSI model with the help of a neat diagram which gives an overview of OSI layers.

25. Define random access and explain two protocols in this category

26. a). What are the classes in classful addressing and define the application of each class

   b). What is the mask in IPV4 addressing

27. List five functions of network management and t

28. Compare TCP and UDP

29. Explain ARP and RARP

30. Explain any two protocols used in Application layer

31. Briefly describe about network security and cryptography

(5x8=40 Marks)

****