

Name :

Reg. No:

**SIXTH SEMESTER B Sc DEGREE EXAMINATION, MARCH 2014
(UG - CCSS)**

COMPUTER SCIENCE

CS 6B 16 – COMPUTER NETWORKS

Time: Three hours

Maximum: 30 Weightage

I. Answer all questions.

(12 x ¼ =3)

1. Cable Television Network is an example of type of network.
2. Dialog control and token management is carried out by layer of the ISO- OSI reference model.
3. With Pure Aloha protocol the maximum channel utilization is percentage.
4. The basic unit of a Bluetooth system is known as
5. is a routing algorithm in which every incoming packet is sent out on every outgoing line except the one it arrived on.
6. The output of the encryption process is known as
7. TCP Port number..... is reserved for FTP.
8. URL stands for
9. In RPC technique packing of parameters into a message is called
10. The variation in the packet arrival rates is called
11. The part of the E-Mail system which is responsible for manipulating mailboxes is called
12. The number of bit positions in which two codewords differ is called

II. Answer all questions.

(9x1=9)

13. What are geostationary satellites?
14. Define the Optimality Principle.
15. Explain the Bluetooth architecture.
16. What is store and forward packet switching in network layer?
17. Compare LAN and WAN.
18. What are Substitution Ciphers?
19. What is the need of multiplexing in Transport layer?
20. What is Domain Name System? Explain its functions.
21. What you meant by Cookies.

III. Answer any Five questions.

(5 x 2=10)

22. Briefly explain the various uses of Computer networks.
23. Explain the various carrier sense multiple access protocols.

Turn over

24. Explain in detail about shortest path routing.
25. Explain the structure of a telephone system.
26. Write short note on Error correcting codes.
27. Explain the various protocol scenarios in connection release in the transport layer.
28. Write notes on different ways of performing audio compression.

IV. Answer any two questions.

(2x4=8)

29. Explain in detail about Guided Transmission media.
30. Explain the various sliding window protocols.
31. What is the functionality of E-Mail system? Explain its architecture and services.
