



DON BOSCO COLLEGE

(Affiliated to the University of Calicut)

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SECOND INTERNAL EXAMINATION MARCH 2016

SIXTH SEMESTER B.Sc. CS

CS6B14: COMPUTER NETWORKS

Time: 3 hours

Max. weightage: 30

Part-A

Answer all questions

1. Routers are part of ----- layer.
2. Firewall is to provide authentication(T/F)
3. Twisted-pair can achieve very high bandwidth data communication.(T/F)
4. IPv4 address is composed of 4 bytes.(T/F)
5. Routers are used in transport layer(T/F)
6. SCTP : -----
7. UDP packet is called -----.
8. The data link layer takes the packets from _____ and encapsulates them into frames for transmission.

(8* 1/2 =4 weightage)

Part-B

Answer all questions

9. What is a hub?
10. What do you mean by adaptive routing? Give example.
11. What is a gateway in network?
12. What is STDM?

(4*1=4 weightage)

Part – C

Answer any five

13. Difference between UDP and TCP
14. What is switching?
15. Write notes on multiplexing.
16. What is guided media?
17. What do you mean by total internal reflection?
18. Write notes on congestion control.

(5*2=10 weightage)



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Part- D

Answer any three

19. Write a note on different error detection methods in data link layer.
20. Explain cryptography and types of cryptography in detail.
21. Explain different layers of OSI model, in detail with figure.
22. Differentiate virtual circuit switching and datagram switching.

(3*4=12 weightage)
