SECOND INTERNAL EXAMINATION MARCH 2019
SIXTH SEMESTER BCA
BCA6B13: COMPUTER NETWORKS

Time: 3 hours   **Max. Marks: 80**

Part-A

Answer all questions

(Each carries one mark)

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.
9. The physical layer concerns with--------------
10. In asynchronous serial communication the physical layer provides------------

(10*1=10 marks)

Part-B
Answer all questions
(Each carries 2 marks)

11. What is a hub?
12. What do you mean by adaptive routing? Give example.
13. What is a gateway in network?
14. What is STDM?
15. What are the responsibilities of network layer?

(5*2=10 marks)

Part – C

Answer any five

(Each carries 4 marks)

16. Difference between UDP and TCP
17. What is switching?
18. Write notes on multiplexing.
19. What is guided media?

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20. What do you mean by total internal reflection?
21. Write notes on congestion control.

(5*4=20 marks)

Part- D
Answer any five
(Each carries 8 marks)

22. Write a note on different error detection methods in datalink layer..

23. Explain cryptography and types of cryptography in detail.

24. Explain different layers of iso/osi model, in detail with figure.

25. Differentiate virtual circuit switching and datagram switching.

26. Explain in detail different framing techniques with example.

27. Write a note on different protocols in data link layer.

(5*8=40 marks)

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