

C 83677

(Pages : 2)

Name

Reg. No.

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2015

(CUCSS)

Computer Science

CSS 2C 03—COMPUTER NETWORKS

(2014 Admissions)

Time : Three Hours

Maximum : 36 Weightage

Part A

*Answer **all** questions.
Each question carries 1 weightage.*

1. Distinguish between *host* and *end systems*.
2. What do you mean by packet switching ?
3. What is ISP ?
4. What is socket ?
5. What is a Web server ?
6. What is the significance of *stop-and-wait* protocol ?
7. What do you mean by *multicast* routing ?
8. What is PPP ?
9. Differentiate even parity and odd parity schemes.
10. What is broadcast link ?
11. What do you mean by data encryption ?
12. Define *firewalls*.

(12 x 1 = 12 weightage)

Part B

*Answer any **six** questions.
Each question carries 2 weightage.*

13. Explain the differences between **TCP** and **UDP**.
14. Write a note on virtual circuit networks.
15. Give an account on Satellite Radio Channels.
16. What is non-persistent connection ? Explain .
17. Explain the structure of DNS resource records.

Turn over

18. What is congestion control ? List any two causes of congestion ?
19. Explain Link State Routing Algorithm.
20. What are the major functions of a datagram-based network layer ?
21. Explain CDMA.

(6 x 2 = 12 weightage)

Part C

*Answer any **three** questions.
Each question carries 4 weightage.*

22. Compare and contrast OSI and TCP/IP reference models.
23. Discuss any two transmission media.
24. Explain the structure of Electronic Mail system.
25. Differentiate between IPv4 and IPv6 addressing schemes.
26. Explain any two error detection and correction techniques.
27. Explain the public key encryption system.

(3 x 4 = 12 weightage)