

D 31387

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Name

Reg. No.

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION
DECEMBER 2012**

(CUCSS)

Computer Science

CSC 3C 03 – NETWORK PROGRAMMING AND ADMINISTRATION

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage,

Part A

*Answer **all** questions.*

Each question carries 1 weightage.

1. What do you mean by port numbers?
2. What is a URL?
3. Define TCP.
4. What is FIFO?
5. What are message queues?
6. Define Semaphores.
7. What are the different components of an IP address?
8. What is RPC?
9. What is client-server model?
10. What is TLI interface?
11. What is rlogin?
12. Distinguish between FTP and TFTP.

(12 x 1 = 12 weightage)

Part B

*Answer any **six** questions.*

Each question carries 2 weightage.

13. Write a note on SNMP.
14. Explain the different components of IMP header.

Turn over

15. Explain domain name systems.
16. Discuss different address conversion routines.
17. How will you implement full duplex communication using pipes?
18. Define Socket. Explain different types of socket.
19. Explain different file locking mechanisms.
20. Write a note on remote command execution.
21. Explain stream pipes.

(6 x 2 = 12 weightage)

Part C

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

22. Explain the architecture of TCP/IP reference model.
23. What is client-server model? Explain different types of server models.
24. What is IP address? Explain the different classes of IP address using suitable examples.
25. Explain the different functions of TLI interface.
26. Write a note on synchronous I/O.
27. Write a note on I/O multiplexing.

(3 x 4 = 12 weightage)