

2015

M.Sc.

1st Semester Examination

COMPUTER SCIENCE

PAPER—COS-105

(PRACTICAL)

Full Marks : 50

Time : 2 Hours



The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

All notations have their usual meaning.

Computer Network Lab

Answer any *two* questions.

1. Write a UDP echo server program using socket. 20
2. Write a server procedure that sleeps for 20 seconds. 20
3. Write a TCP server program for displaying Date & Time. 20

(Turn Over)

4. Write a TCP talk client program. 20
5. Write a program in C to construct a client that accepts a string from a server using TCP and display it. 20
6. Construct a server that sends a string "Hello Everybody" to clients asking for this service using TCP. 20
7. Write a UDP client program in C that sends your name to the server records it and display it (Assume the server echos whatever it receives). 20
8. Write a program that accepts a given IP address in dotted decimal form and determine the class of the address. 20
9. Write a socket program to obtain the address family of a socket. 20
10. Write a UDP server program that receives two integer from a client and sends the added value of the integer. 20
11. Write a program for client server communication using TCP socket where the client and server will exchange strings dynamically. 20
12. Write a program using rpc to make the interface between client and server. 20

Viva-Voce — 10
