

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.

Network Lab

Answer any one question (lottery basis).

1. Write a Server Side Program to demonstrate UDP. The server accepts a string from a client through a specific port and sends an acknowledgement to the client.

(Turn Over)

2. Write a UDP client program which sends a message to a UDP server, and accepts & shows the message, sent by the server.
3. Write a TCP server side program that provides current date & time when communicated through port no. 1234.
4. Write a client side program to demonstrate TCP such that the client can accept a string, when it connects with a TCP server through a certain port.
5. Construct a broadcast server that broadcasts a message using port 6767 with an interval of a 3 seconds.
6. Construct a broadcast receiver that can accept and show a message, broadcasted by a broadcast server.
7. Write a program to demonstrate multicast sender.
8. Write a program to construct a multicast receiver.

Distribution of Marks :

Program — 15

Execution — 15

Discussion & Accuracy — 05

Viva-Voce — 10

Laboratory Note Book — 05