

2018
CBCS
3rd Semester
COMPUTER SCIENCE
PAPER—C7P
(Set-1)
(Honours)
(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Computer Networks Lab.

Answer any one question (*Lottery basis*) : 1×15

1. Write a program to find the CRC. The Date and Divisor values should be provided at runtime.

(Turn Over)

2. Write a Program to demonstrate distance vector routines algorithm.
3. Write a program to find the class of an IP address (IPV4).
4. Write a program to find the no of subnets using the subnet mask : 255 . 255 . 255 . 248.
5. Write a program to demonstrate the stop and wait protocol.
6. Write a program to simulate and implement shortest path routing.
7. Write a program to demonstrate server-client communication using TCP.
8. Write a program to demonstrate server-client communication using a connectionless protocol.

[PNB - 02; Viva Voce - 03]

2018

CBCS

3rd Semester

COMPUTER SCIENCE

PAPER—C7P

(Set-2)

(Honours)

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Computer Networks Lab.

Perform any one experiment chosen on lottery basis:

1×15

- 1. Simulate Cyclic Redundancy Check (CRC) error detection algorithm for noisy channel.*

2. Simulate and implement distance vector routing algorithm.
3. Simulate and implement go back n sliding window protocol.
4. Simulate and implement Dijkstra algorithm per shortest path routing.
5. Simulate and implement Link state algorithm per shortest path routing.
6. Simulate and implement stop and wait protocol per noisy channel.
7. Simulate and implement distance vector routing algorithm.
8. Simulate and implement selective repeat sliding window protocol.

[PNB - 02; Viva Voce - 03]
