2015

BCA

4th Semester Examination OS AND NETWORK LAB

PAPER-2297 (SET-1)

(PRACTICAL)

Full Marks: 100

Time: 3 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. Ouestions should be distributed on lottery basis.

Answer any two questions taking one from each group. (on lottery basis)

Group - A (OS Lab)

Answer any one on lottery basis: 1×25

- 1. Write a shell program to check if a given string is Palindrome.
- 2. Write a shell program to check a number is Armstrong number.
- 3. Write a shell program to calculate factorial of given input.

- 4. Write a shell program to calculate average of given n numbers.
- 5. Write a shell program to display Fibonacci numbers.
- 6. Write a shell program to convert decimal to its equivalent binary number.
- 7. Write a shell program of linear search algorithm.

Group - B

(Network Lab)

Answer any one on lottery basis:

1×25

- 1. Write a socket program to print all client IP address and their relative port.
- 2. Write a UDP echo server program using socket.
- 3. Write a TCP server program that receive a string of characters from the client.
- 4. Write a TCP client program that behaves like a simple TELNET.
- 5. Write a server procedure that sleeps for 30 seconds.
- 6. Write a UDP server program that receive a string of character from the client.
- 7. Write a TCP client program that asks for the time from a TCP server.

Viva-Voce : 15

Practical Note Book : 05

Internal Assessment : 30