

2015

BCA

4th Semester Examination

OS AND NETWORK LAB

PAPER—2297 (SET-2)

(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.

Questions should be distributed on lottery basis.

Answer any one question from each group.

Group — A

(OS Lab)

Answer any one on lottery basis. 1×25

1. Write a shell program to check whether the number is Krishna Murti number or not.

(Turn Over)

- Write a shell program to search an element from n number of element.
- Write a shell program to calculate multiplication table of any number and print into following format :

```
1 x 1 = 1
1 x 2 = 2
1 x 3 = 3
. . . . .
1 x 10 = 10
```

- Write a shell program to find LCM and HCF of any two number.
- Write a shell program to check whether the number is perfect or not.
- Write a shell program to create a child process. Send SIGCHLD signal after 5 secs.
- Write a shell program to sort the elements from n number of elements.
- Write a shell program to convert a binary no. to its equivalent decimal number.

Group — B**(Network)**

Answer any one on lottery basis : 1×25

1. Write a program to implement connections sender to send UDP message to peer.
2. Write a program to implement stream server.
3. Write a TCP client program that uses form the time from TCP server.
4. Write a program to implement character send and receive from the server.
5. Write a program to implement modified server.

Viva-Voce : 15

Practical Note Book : 05

Internal Assessment : 30
