2016

M.Sc.

3rd SEMESTER EXAMINATION

COMPUTER SCIENCE

PAPER—COS-306

(PRACTICAL)

Full Marks : 50

Time : 6 Hours

The questions are of equal value.

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.

MODULE—I

(OS Lab)

[Marks : 25]

Answer any *one* question :   1×15

1. Write a C program to implement FCFS CPU scheduling algorithm.

2. Write a shell program to check a file is exist or not and display its type if it is exist.

3. Write a program to print process id of a process with its parent process id.

4. Write a shell program to find the highest of three numbers.

5. Write a program to create a Zombie process.

6. Write a shell program to check a string is palindrom or not.

7. Write a program to duplicate a program's process using fork ( ).

8. Write a shell program to make a basic calculator.

9. Write a program to create a new process using system ( ) that display the process running on your system.

10. Write a program to fork a new child process to display list of files and parent process should wait for the completion of child.

Viva-voice — 5

Practical Note Book — 5

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