2015
MCA
3rd SEMESTER EXAMINATION
OPERATING SYSTEM LAB
(PRACTICAL)
PAPER—MCA-307
Full Marks : 50
Time : 2 Hours

The figures in the margin indicate full mark

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

Illustrate the answers wherever necessary.

Answer any one question (on lottery basis)

1. Write a Shell program to convert Celsius temperature
   Fahrenheit scale.

2. Write a Shell program to find whether a given input
   is odd or even.

3. Write a Shell program to find whether a given number
   is prime or not.

4. Write a Shell program to find the prime numbers
   from 1 to 100.
5. Write a Shell program for generation of Fibonacci number (First 20 numbers).

6. Write a Shell program to calculate factorial of a given input.

7. Write a Shell program for Linear search algorithm.

8. Write a Shell program to convert a binary number to its equivalent decimal number.

9. Write a Shell program to implement binary search algorithm.

10. Write a Shell program to convert a decimal number to its equivalent binary number.

11. Write a Shell program for insertion sort algorithm.

12. Write a Shell program to convert a decimal number to its equivalent octal number.

13. Write a Shell program to implement Bubble sort algorithm.

14. Write a Shell program to convert a decimal number to its equivalent hexa decimal number.

15. Write a Shell program to convert a hexa decimal number to its equivalent decimal number.

P.N.B. — 05

Viva — 10