

2016

MCA

3rd Semester Examination

OPERATING SYSTEM LAB.

PAPER—MCA-307

(Practical)

Full Marks : 100

Time : 3 Hours

The figures in the margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer any two questions.

2×35

- 1. Write a Shell Script Program to Print Student Mark Sheet.**
- 2. Write a Shell Script Program to perform all Arithmetic operations on integers.**

(Turn Over)

3. Write a Shell Script Program to find simple interest.
4. Write a Shell Script Program to find Area of Square, Rectangle and Circle.
5. Write a Shell Script Program to find whether a number is even or odd.
6. Write a Shell Script Program to find Greatest of 3 numbers.
7. Write a Shell Script Program to whether a year is Leap year or not.
8. Write a Shell Script Program to check whether the given number is divisible by 11 or not.
9. Write a Shell Script Program to print perfect numbers from 1 to 100.
10. Write a Shell Script Program to reverse a number.
11. Write a Shell Script Program to find whether the given number is perfect or not.
12. Write a Shell Script Program to find sum of digits of a number.

13. Write a Shell Script Program to print multiplication table of any number.
14. Write a Shell Script Program to print Prime numbers from 1 to 20.
15. Write a Shell Script Program to print Armstrong numbers from 1-1000.
16. Write a Shell Script Program to print the Fibonacci series.
17. Write a Shell Script Program to print Employee Payroll.
18. Write a Shell Script Program to Input the day number from the keyboard and print the corresponding day.
19. Write a Shell Script Program to accept a character and check whether it is an
 - Lower case alphabet
 - Upper case alphabet
 - A digit
 - Special symbol
 - Vowel

Using case control structure.

20. Write a Shell Script Program to count number of odd and even digits within a given number.
21. Write a Shell Script Program to check whether a given file is a directory or not.
22. Write a Shell Script Program to Count number of files in a Directory.
23. Write a Shell Script Program to search whether a element is present is.in the list or not.
24. Write a Shell Script Program to implement read, write, execute permissions.
25. Write a Shell Script Program to copy contents of one file to another.

Viva — 20

PNB — 10
