MCA 3rd Semester Examination, 2018

MCA

(*Operating System Lab*)

PAPER – MCA-307

(Practical)

Full Marks : 50

Time : 2 hours

Answer any **one** question (on **lottery** basis)

The questions are of equal value

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

Illustrate the answers wherever necessary

1. Write a shell script to check whether a number is perfect square or not.

2. Write a shell script to find all non-fibonacci numbers from 1 to 100.

3. Write a shell script to check whether a string is palindrome or not.

4. Write a shell script to display the first nth line of a specified file.

5. Write a shell script to find the palindrome number between two specified ranges.

6. Write a shell script to find sum of the digits of a given integer.

7. Write a shell script to sort a list of n numbers given by the examiner.

8. Write a shell script to check the validity of a file, if exists then print the content of the file.

9. Write a shell script to print the content of a file in uppercase.

10. Write a shell script to find the number of words in a string of line without 'wc' command.

11. Write a shell script for a menu driven program as : Press

    (*i*)   For list of users log in the system

    (*ii*) System calendar

    (*iii*) Universal time

    (*iv*) List of files in the current directory

    (*v*)   Display a message.

12. Write a shell script to display all lines of a file containing a specific word.

13. Write a shell script to display

1
0 1
1 0 1
0 1 0 1
1 0 1 0 1

Where n (no. of lines) is given by the examiner.

14. Write a shell script to find $1+x+x^2/2!+x^3/3!+$ ....

15. Write a shell script to check whether a number is Armstrong or not.

Viva-Voce : 10 Marks

Practical Notebook : 5 Marks

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