M.Sc. 1st Semester Examination, 2013

COMPUTER SCIENCE

( Practical )

PAPER—COS-106

Full Marks : 50

Time : 2 hours

Answer any one question (Lottery basis)

The figures in the right-hand margin indicate marks

1. Write a shell script to check a number is prime or not. 40

2. Write a shell script to generate fibonacci series between a given range. 40

(Turn Over)
3. Write a shell script to convert a number from binary to octal.

4. Write a shell script to check a number is palindrome or not.

5. Write a shell script to calculate the series $1 + x + x^2 + x^3 + \cdots + x^n$.

6. Write a shell script to find $^nC_r$ and $^nP_r$ of a number.

7. Write a shell script to check whether a number is amstrong or not.

8. Write a shell script to find G.C.D and L.C.M of two numbers.
9. Write a shell script to check a number is strong or not.

10. Write a shell script to display 1st $n$ prime fibonacci nos.

11. Write a shell script to check whether a file is exist or not, if exist then, readable or not and whether it is a normal file or not.

12. Write a shell script to check whether a year is leap year or not.

13. Write a shell script to calculate the sum of 1st $n$ fibonacci nos.

14. Write a shell program to find sum and mean of array element.
15. Write a shell program to check a string is palindrome or not.

16. Write a shell program which sort the list of number by using selection sort.

17. Write a shell program to search an element from a list of element by binary search.

18. Write a shell program to give a date stamp in a file.

19. Write a shell program to remove all numbers that occurs more than one in an order array.

PNB. — 05
VIVA — 05