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PG/IS/COS-106/13(Pr.)

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)

(2)

3. Write a shell script to convert a number from binary to octal. 40
4. Write a shell script to check a number is palindrome or not. 40
5. Write a shell script to calculate the series $1 + x + x^2 + x^3 + \dots + x^n$. 40
6. Write a shell script to find ${}^N C_r$ and ${}^N P_r$ of a number. 40
7. Write a shell script to check whether a number is amstrong or not. 40
8. Write a shell script to find G.C.D and L.C.M of two numbers. 40

(3)

9. Write a shell script to check a number is strong or not. 40
10. Write a shell script to display 1st n prime fibonacci nos. 40
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. 40
12. Write a shell script to check whether a year is leap year or not. 40
13. Write a shell script to calculate the sum of 1st n fibonacci nos. 40
14. Write a shell program to find sum and mean of array element. 40

(4)

15. Write a shell program to check a string is palindrome or not. 40
16. Write a shell program which sort the list of number by using selection sort. 40
17. Write a shell program to search an element from a list of element by binary search. 40
18. Write a shell program to give a date stamp in a file. 40
19. Write a shell program to remove all numbers that occurs more than one in an order array. 40

PNB - 05

VIVA - 05
