2019

B. Sc.

1st Semester Examination

COMPUTER SCIENCE (General)

Paper - DSC 1A-P

(Practical)

PYTHON LAB

(SET - I)

Full Marks : 20   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.

Answer any one question (Lottary basis) $1 \times 15 = 15$

1. Write a program in Python to find the value of ^np_r.

2. Write a program in Python to reverse an intger.

3. Write a program in Python to print an identity matrix of order n.

[Turn Over]

4. Write a program to find the sum of cosine series.

5. Write a program in Python to check if a substring is present in a given string.

6. Write a program in Python to calculate the factorial of an integer using recursion.

7. Write a program in Python to read the content of text file.

8. Write a program in Python to read n integers and obtain their histogram.

9. Write a menu driven program to create the following 3D Objects.

   - Ring

   - Arrow

   - Cone.

10. In a class of 50 students, 10 got grade A, 25 got grade B and the rest got grade C. Write a program in Python to find the corresponding Pie chart.

   [Viva : 03, PNB : 02]

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1st Semester Examination

COMPUTER SCIENCE (General)

Paper - DSC 1A-P

(Practical)

PYTHON LAB

(SET - II)

Full Marks : 20　　　　　　　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.

Answer any one question (Lottary basis)　1×15=15

1. Write a program in Python to find the sum of sine series

2. Write a program in Python to check a number is palindrome or not.

3. Write a program in Python to find the value of ^nc_r.

[Turn Over]

4. Write a program in Python to print an identity matrix of order n.

5. Write a program in Python to read the content of a text file and display on the screen.

6. Write a program in Python to revrse a string.

7. Write a program in Python to display first 10 fibonacci numbers using recursion.

8. Write a program in Python to cheek if a substring is present in a given string.

9. Write a menu driven program in Python to create the followings 3D objects :

     * Cone

     * Ring

     * Arrow

10. Write a program in Python to check a year is leap year or not.

[Viva : 03, PNB : 02]