

Total No. of Questions : 4]

SEAT No. :

PF7

[Total No. of Pages : 1

APR-26/FE/Insem-7

F.E. (Insem)

PROGRAMMING AND PROBLEM SOLVING

(2019 Pattern) (Semester - II) (110005) (Credit System)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2 and Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain Different Logical Operators in python? [3]
b) Explain algorithm and flow-chart with example. [4]
c) What is a problem? List down steps in problem solving. [3]
d) Explain any five categories of operators in python with examples. [5]

OR

- Q2)** a) Explain input() function with example. [3]
b) Write a program to swap two numbers. [4]
c) Explain brief history of python programming language and list different software developed in python. [3]
d) What are the different problem solving aspects? Explain each in brief? [5]

- Q3)** a) Write a program to find larger of two numbers. [3]
b) Write a program in Python to find whether a given number is positive or negative. [4]
c) What is the use of pass Statement in python? Explain with suitable example. [3]
d) What is difference between 'break' and 'continue' statement in Python? Explain with example. [5]

OR

- Q4)** a) What is a list? Explain any three operations of list. [3]
b) Explain while loop with flowchart. [4]
c) Write a program to calculate sum and average of first 10 numbers. [3]
d) Explain any five dictionary methods/functions in python. [5]

