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P-5373

SEAT No. :

[Total No. of Pages : 2

[6185]-56

F.E. (Insem.)

**PROGRAMMING AND PROBLEM SOLVING
(2019 Pattern) (Semester - I) (110005)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Solve Q.1 or Q.2, Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.

Q1) a) Explain different symbols used to represent a flow-chart. [3]

b) Explain single line and multiline comment statements in python with example. [4]

c) What is indentation in python? Explain with example. [3]

d) Write and explain different problem solving steps. [5]

OR

Q2) a) Write a pseudo code for swapping of two numbers. [3]

b) Explain input and output operations in python with example. [4]

c) Explain the following data types [3]

i) list

ii) tuple

iii) string

d) Explain different logical and membership operators in python. [5]

P.T.O.

- Q3)** a) Explain break and continue statement with suitable example. [3]
- b) Explain the following operations of list. [4]
- Creating a list
 - Display list
 - Appending
 - Accessing an element.
- c) Explain if..elif..else statement in python. [3]
- d) Write a program to find factorial of a number. [5]

OR

- Q4)** a) Explain while loop with example. [3]
- b) What is dictionary data type? Explain any 3 operations of dictionary data type. [4]
- c) Explain use of range() function in for loop with suitable example. [3]
- d) Write a program to check whether a number entered by user is positive, negative or zero. [5]

