Total No. of Questions : 4]

SEAT No. :

PE-526

[Total No. of Pages : 2

[6577]-7
F.E. (Insem.) (Theory)
PROGRAMMING AND PROBLEM SOLVING
(2019 Pattern) (Semester - I) (110005)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates :

1) ***Answer Q.1 or Q.2 and Q.3 or Q.4. compulsory.***
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 top down design approach. **[3]**

b) What are the different collection literals in Python? **[4]**

c) What is modularization? Explain top down design approach. **[3]**

d) Explain any six features of Python programming. **[5]**

OR

Q2) a) Explain different arithmetic operator in python. **[3]**

b) What do you mean by flow-chart? Explain different flowchart symbols. **[4]**

c) Explain following terms with suitable examples. **[3]**

i) Comment

ii) Reserve Words

d) Write an algorithm to swap two numbers. **[5]**

P.T.O.

Q3) a) Explain the use of continue statement in a loop with suitable example. **[3]**

b) Explain for loop with flow chart. **[4]**

c) Write a program in Python to find whether gives is even or odd. **[3]**

d) Explain the following conditional branching Statements with examples. **[5]**

i) If

ii) if else

iii) if elif else

OR

Q4) a) Explain while loop with suitable example. **[3]**

b) Explain if..else statement with flowchart and example. **[4]**

c) What is a list? Explain accessing and removing of elements from list with Example. **[3]**

d) Write a program to generate a Fibonacci series of 'n' numbers. **[5]**

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