

Total No. of Questions : 4]

SEAT No. :

1000

PA-1684

[Total No. of Pages : 2]

[5931]-1007

F.E. (Semester - I)

PROGRAMMING AND PROBLEM SOLVING (2019 Pattern) (110005)

Time : 1 Hour]

[Max. Marks : 30]

Instructions to the candidates:

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

Q1) a) List different program design tools? Explain an algorithm with example. [3]
b) What are the characteristics of an algorithm? [4]
c) Explain brief history of python programming language and list different software developed in Python. [3]
d) Explain any five features of python programming language. [5]

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Q2) a) Write a pseudo code for factorial of a number. [3]
b) What are the different collection literals in Python? [4]
c) What do you mean by flow-chart? Explain different flowchart symbols. [3]
d) Explain any five categories of operators in python with examples. [5]

OR

PTO.

Q4) a) Explain for loop with syntax, flow-chart and example. [3]

b) Explain else statement with for loop with flowchart and example. [4]

c) Explain following terms with examples. [3]

i) break ii) continue iii) pass

d) Write a program for multiplication tables of numbers from 1 to 10. [5]

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