

Total No. of Questions : 4]

SEAT No. :

PD27

[Total No. of Pages : 1

[6409]-224

S.E. (Computer Engineering) (Insem)

PRINCIPLES OF PROGRAMMING LANGUAGES

(2019 Pattern) (Semester - IV) (210255)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Make suitable assumption whenever necessary.

- Q1)** a) Write down the Role of Programming Languages and discuss about Programming Environment. [5]
b) Describe various attributes of a Good Programming Language with suitable example. [5]
c) Explain Impact of Programming Paradigms in detail. [5]

OR

- Q2)** a) Write short note on:
i) Virtual Computers
ii) Binding Times
b) List down Four Programming Paradigms. For any three state which programming languages are based on them and how? [5]
c) How to calculate Cost of any Programming Language? Explain with suitable example. [5]

- Q3)** a) Define Built-in and Primitive data types. State the primitive data types used in C++ and Java programming languages. [5]
b) Explain Design Issues for Subprograms and Parameter Passing methods in detail. [5]
c) Write short note on:
i) Associative array and records.
ii) Ternary operator [5]

OR

- Q4)** a) What are Abstract Data Types? How C++ implements Abstract Data Types? Give example. [5]
b) Write short note on:
i) Iterative Statements
ii) Unconditional Branching
c) Explain Type Checking and Type Conversion. [5]

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