

T.E. COMP. SEM - II
NOV-DEC-2012, 2008 PATTERN.

Total No. of Questions : 12]

SEAT No. :

P827

[Total No. of Pages : 3

[4263] - 346

T.E. (Computer Engg.)

PRINCIPLES OF PROGRAMMING LANGUAGES

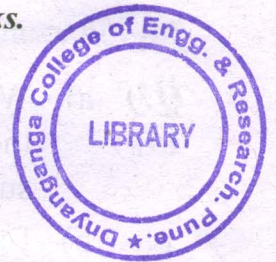
(2008 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates :

- 1) Answer any three questions from each section.
- 2) Answers to the two sections should be written in separate books.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Figures to the right indicate full marks.
- 5) Assume suitable data, if necessary.



SECTION - I

- Q1) a) What are various programming language paradigms? Explain in brief with suitable examples. [8]
- b) What is binding and binding times? What are the different binding times. [4]
- c) What do you mean by activation records? How this feature is used for implementing recursive function calls. [6]

OR

- Q2) a) Explain following characteristics of a good programming language. [6]
- i) Orthogonality.
 - ii) Uniformity.
 - iii) Implementability.
- b) What is type checking? What is static and dynamic type checking. [6]
- c) Give an example statement in C, C++ or JAVA that is particularly unreadable rewrite that statement in a more readable style. [6]

- Q3) a) Explain the difference between C and PASCAL. [6]
- b) What are design principles for procedural programming specification? [6]
- c) Explain data types in PASCAL. [4]

OR

- Q4) a) What are undesirable characteristics of imperative programming? [6]
- b) Explain block oriented and statement oriented structure programming. [6]
- c) Explain pointer in PASCAL with suitable example. [4]

P.T.O.

