

T.E. Computer Sem - II  
May - June - 2012

Total No. of Questions : 12]

SEAT No. :

P1139

[Total No. of Pages : 3

[4163] - 346

T.E. (Computer Engg.)

PRINCIPLES OF PROGRAMMING LANGUAGES

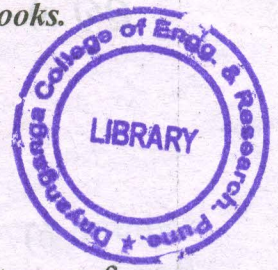
(2008 Pattern) (Sem. - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to candidates:

- 1) Answer three questions from Section - I and three questions from Section - II.
- 2) Answers to the two sections should be written in separate answer 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 do you mean by programming paradigms? State key features of following: [10]
- i) Logic programming.
  - ii) Functional programming.
  - iii) Parallel programming.
  - iv) Concurrent programming.
- b) What is the scope, visibility and lifetime of a variable which is [8]
- i) Static variable.
  - ii) Extern variable.

OR

- Q2) a) Explain difference between recursive call and ordinary call of a program. How recursive subprogram call acts as an important sequence control structure in programming? [8]
- b) Differentiate between structured and nonstructured data type. [4]
- c) What do you mean by storage management? Explain static and dynamic storage management. [6]
- Q3) a) What are the features of procedural programming? How procedures and modularity makes procedural programming as a better choice for programs. [8]
- b) With suitable example, demonstrate how nested procedures and functions acts as a efficient program design construct. [8]

OR

P.T.O



