

Code No: 07A40501

**R07**

**Set No. 2**

**II B.Tech II Semester Regular/Supplementary Examinations, May 2010**  
**PRINCIPLES OF PROGRAMMING LANGUAGES**

**Computer Science And Engineering**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Write a Short notes on:
  - (a) Relational operators
  - (b) Boolean expressions. [8+8]
2.
  - (a) What are the two common problems associated with pointers?
  - (b) What is an aggregate constant?
  - (c) What is an access function for an array?
  - (d) What is the purpose of Rectangular and Jagged arrays. [4+4+4+4]
3. Write short notes on :
  - (a) propositions.
  - (b) Binding exception to handler. [8+8]
4.
  - (a) What purpose does an accept clause of ADA serve.
  - (b) Define rendezvous, select clause, server task and completed task. [10+6]
5.
  - (a) Explain about the associativity of operators.
  - (b) Develop an unambiguous grammar that describes the if statement. [8+8]
6. Explain the significant effect on the reliability of programs in language design. [16]
7.
  - (a) What are the distinct semantic models for formal parameters. Explain.
  - (b) Explain pass - by - name and pass - by - reference with example. [8+8]
8.
  - (a) What is functional composition. Explain.
  - (b) Compare functional and imperative languages. [8+8]

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