Code :RR310505

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III B.Tech I Semester(RR) Supplementary Examinations, May 2011
PRINCIPLES OF PROGRAMMING LANGUAGES
(Computer Science & Engineering, Computer Science & Systems Engineering)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. Compare procedure oriented, function oriented and object oriented languages.

2. The two mathematical models of language description are generation and recognition. Describe how each can define the syntax of a programming language.

3. Define scope. Explain the static scope and dynamic scope with examples.

4. What is counter controlled loop? Explain how it is supported by different languages.

5. (a) Discuss briefly about co routines.

   (b) Explain the separate compilation and independent compilation.

6. (a) Explain the role of competition synchronization in message passing.

   (b) What is the importance of thread class in java? Explain.

7. (a) Explain the use of java finally clause in exception handling.

   (b) Explain in detail any two applications of logic programming.

8. Explain in detail the sequence control in ML.

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