[07 BENG – 3109]

III/IV B.TECH. DEGREE EXAMIINATION.

First Semester

Computer Science Engineering

Elective – I : PRINCIPLES OF PROGRAMMING LANGUAGE

(Effective from the admitted batch of 2015–2016)

Time : Three hours   Maximum : 70 marks

First question is compulsory.

Answer any FOUR from remaining questions.

All questions carry equal marks.

Answer all parts of any question at one place.

1. Answer the following in brief:

   (a) Virtual Computers

   (b) Binding times

   (c) Language Semantics

   (d) Inheritance

   (e) Parameter transmission

   (f) Subprograms

   (g) Desktop Publishing.

2. (a) What is the need for study of programming languages?

   (b) Discuss about the history of programming Languages.

3. Explain the Recursive Descent passing technique with example.

4. What is data types? Explain the elementary data types, its properties. Give suitable examples for each.

5. (a) Difference between implicit and explicit sequence controls.

   (b) Explain the sequencing with non-arithmetic expressions.

6. (a) What are the attributes of data control? Explain.

   (b) Describe about Explicit common environment.

7. Discuss in detail about programmer and system controlled storys techniques.

8. (a) What are the variations on subprogram control? Explain.

   (b) Discuss about parallel programming techniques.

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