Code No: R22056   **R10**   SET - 1

II B. Tech II Semester Supplementary Examinations, April-2018
PRINCIPLES OF PROGRAMMIG LANGUAGE
(Com. to CSE, IT)

Time: 3 hours   Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. a) Why is type checking the parameters of a subprogram important?
    b) Explain about context free grammar?

2. a) Explain concept of binding.
    b) Explain about macro expansion?

3. a) Distinguish between static and dynamic semantics.
    b) Explain about space management for attributes?

4. Explain what are the design issues for logically controlled loop statements?

5. Define union, free union and discriminated union?

6. a) Define shallow and deep binding for referencing environments of subprograms that have been passed as parameters.
    b) Give the general characteristics and design issues of subprograms.

7. a) What are the design requirements for a language that supports abstract data types?
    b) Explain about multiple inheritance?

8. a) Differentiate between functional and imperative languages.
    b) What is type inferencing? How is it used in ML?