

Code No: R22056

R10**SET - 1****II B. Tech II Semester Supplementary Examinations, April/May-2017****PRINCIPLES OF PROGRAMMING LANGUAGE**

(Com. to CSE, IT)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

~~~~~

1. a) Differentiating the Compiler and Interpreter. (5M)  
b) What is regular Expression and Context-Free Grammars? Explain with examples. (10M)
2. a) What are Scope Rules and How to implement the Scope. (8M)  
b) Discuss about the object Life time. (7M)
3. a) Differentiate between syntax and semantic. (8M)  
b) What are attribute grammars? Discuss. (7M)
4. a) Differentiate between structured flow and unstructured flow? (8M)  
b) What is Recursion? Give examples for recursion. (7M)
5. a) What is data type? Explain about type system. (7M)  
b) How string and pointers are represented in different Programming Languages. (8M)
6. a) Explain the importance of Exception Handling? How it is done? Explain. (8M)  
b) Write short notes on generic subroutines. (7M)
7. a) What is Data Abstraction and Encapsulation? Explain. (8M)  
b) Discuss about Dynamic Method Binding. (7M)
8. a) Write short notes on Prolog. (8M)  
b) Discuss about Functional Programming concepts. (7M)