Total No. of Questions - 8] [Total No. of Printed Pages - 2

BE-IV/6(A)

212784

COMPUTER ENGINEERING COURSE NO. COM 402

(Simples of Programming Language)

Time Allo

Hours

Maximum Marks - 100

Note:

any five questions. Each question carries 20

- Give the definition of data structure and its 1. (a) implication while writing the computer program.
 - (b) What do you mean by abstract data type? Explain with suitable examples. (10 101
- Explain the terms firmware and virtual computer. (a)
 - Explain the difference between assignment and (b) initialization statements with the help of program.

(10, 10)

What are common exceptions? How these are 3. (a) handled by exception handlers?

1.0

What are coroutines? Explain their implementation (b) (10, 10) using example.

Murn Over

	(2)	
- % -	(a) Explain the semantics for the following three	
	notations:	
	(i) Prefix (ii) Infix	
	(iii) Postfix (15)	
	(b) What do you mean by parameter transmission? (5)	
T.	What is object oriented programming? Explain the	
	different characteristics of OOP with an example in each	
	case.	
1 0	(a) Write a program in C ⁺⁺ to overload unar, operator.	
	(b) What do you mean by stack based storage	
	management? Discuss its applications and	
	advantages. (10, 10)	
	(a) Explain various stages in translation. (15)	3
9	(b) What is the importance of syntax and semantics? (5)	
	(a) What is type conversion? Is it possible in LISP? Justify	
	your answer. (10)	
	(b) Write short notes on:	
	(i) Pointers and files	
	(ii) Interactive environment. (10)	
