

MODEL PAPER

Subject Code: R161107/R16

Set No - 1

I B. Tech I Semester Regular Examinations Nov. - 2016

COMPUTER PROGRAMMING

(Common to ECE,AE,AME,BioTech,ChemE,CE,CSE,IT,EIE,EEE,ME,MetalE,MinE,PCE,PE,ECome)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is **Compulsory**,
Four Questions should be answered from **Part-B**

PART-A

1. (a) Define Assembly language.
- (b) Define implicit type casting with example.
- (c) Differentiate between for loop and while loop.
- (d) Differentiate between call by value and call by reference.
- (e) Write program for printing identity matrix on screen.
- (f) Write the importance of typedef
- (g) Explain about command line arguments.

[7 x 2 =14]

PART-B

2. (a) Differentiate between procedural and object oriented languages.
 - (b) What are the components of computer? Explain.
- [7+7]
3. (a) Explain about the basic data types in c language with example
 - (b) Write the importance of precedence and associativity? write the table for operator precedence.
- [7+7]
4. (a) Discuss about selection statements with examples.
 - (b) Write a program to print the following series on the screen
 1
 1 2
 1 2 3
 1 2 3 4
 1 2 3 4 5
- [7+7]
5. (a) What is recursion? Differentiate between recursion with iteration.
 - (b) Write program for finding the GCD among two numbers using recursion.
- [7+7]
6. (a) Explain about different string manipulation functions with examples.
 - (b) Write a program to find given string is palindrome or not.
- [7+7]
7. (a) Explain about structure and union with examples.
 - (b) Write a program to print file contents on the screen.

[7+7]
