Subject Code: R13205/R13

| Set No - 1 |

I B.Tech II Semester Supplementary Examinations Dec./Jan. – 2015/2016
COMPUTER PROGRAMMING
(Common to ECE, EEE, EIE, Bio-Tech, E Com E, Agri E)

Time: 3 hours   **Max. Marks: 70**

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

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PART-A

1. (a) C is a structured programming language? Justify.
   (b) Differentiate between for and while statements.
   (c) Explain about the parameter passing using copy by address.
   (d) Explain about the *, ** and & keywords.
   (e) Explain about the masks.
   (f) Differentiate between scanf and fscanf functions with examples.

   [3+4+3+4+4+4]

PART- B

2. (a) Explain about different computer languages.
   (b) Write a program to calculate the series: $1+ \frac{1}{2}+1/3+1/4+1/5\ldots..+1/n$

   [8+8]

3. (a) Explain about the iterative statements with examples.
   (b) Write a program to find the factorial of a given number.

   [8+8]

4. Define function? How to declare function? Create functions with and without inputs and outputs.

   [16]

5. (a) What is pointer? How to initialize pointers? Give examples.
   (b) Write a program to swap two numbers using pointers.

   [8+8]

6. (a) Differentiate between structure and union?
   (b) Write a program to calculate the grade and total marks of the given student using structures.

   [8+8]

7. (a) What are different types of files? Explain.
   (b) Write a program to display contents of the file on screen.

   [8+8]

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