

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**

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: $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \dots + \frac{1}{n}$

[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]
