Code No: R13205 (R13)

I B. Tech II Semester Supplementary Examinations, July/August - 2021 COMPUTER PROGRAMMING

Tin	ne: 3	(Com. to ECE, EEE, EIE, Bio-Tech, E Com E, Agri E) hours Max. Ma	rks: 70
		Note: 1. Question paper consists of two parts (Part-A and Part-B) 2. Answering the question in Part-A is Compulsory 3. Answer any THREE Questions from Part-B	
		<u>PART -A</u>	
1.	a)	Write a code for selecting the greatest of 4 numbers using conditional operator.	(4M)
	b)	Differentiate between iteration and branching.	(4M)
	c)	Write a program to find factorial of a number using recursion.	(3M)
	d)	What are command line arguments? Give examples.	(4M)
	e)	Differentiate between pointer variable and normal variable.	(4M)
	f)	Compare the I/O operations of binary and text files.	(3M)
		<u>PART -B</u>	
2.	a)	Explain the basic organization of a computer with a neat diagram.	(8M)
	b)	Distinguish between logical and bitwise operators.	(8M)
3.	a)	Differentiate entry and exit checked conditional constructs with an example.	(8M)
	b)	Write a C program to store Fibonacci series in an array.	(8M)
4.	a)	What are the importance of the extern and register storage classes.	(8M)
	b)	What is the difference between recursive and non-recursive functions? Give their merits and demerits.	(8M)
5.		Discuss in detail about pointer arithmetic. Support the answer with appropriate examples.	(16M)
6.	a)	Is nesting of structures valid? Justify your answer with an example.	(8M)
	b)	What are bit-fields? Where are they used? How are they different from other variables?	(8M)
7.	a)	Explain about the fprintf and fscanf functions with examples.	(8M)
	b)	Write a program that reads a line of text from a data file character by character and displays the text on the screen.	(8M)