Code No: R161107 **R16** SET - 1

I B. Tech I Semester Supplementary Examinations, May - 2018
COMPUTER PROGRAMMING
(Com. to CE,EEE,ME,CSE,ECE,IT,EIE,ECom E,Aero E,Auto E,Bio-Tech,Chem E,Metal E, Min E, PChem E, PE)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answer the question in **Part-A** is compulsory
3. Answer any **FOUR** Questions from **Part-B**

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PART –A

1.	a)	List out components of computer hardware.	(2M)
	b)	What are different ways of commenting the statements in C programming?	(2M)
	c)	Why switch statement is more advantageous than nested if-else statement?	(2M)
	d)	Give the comparison of Global and local variables.	(2M)
	e)	What is the difference between strcmp() and stricmp() functions?	(2M)
	f)	Write the differences between structures and unions.	(2M)
	g)	What is the use of fseek() function?	(2M)

PART -B

2.	a)	Differentiate between computer hardware and software.	(7M)
	b)	Explain the machine language and assembly language with examples.	(7M)
3.	a)	What are bitwise logical operators? Explain about bitwise logical operators with suitable programming example.	(6M)
	b)	Explain various format modifiers available in C language.	(4M)
	c)	Briefly explain about implicit and explicit type conversion.	(4M)
4.	a)	Differentiate between if statement and if-else statement with suitable examples and proper syntax.	(7M)
	b)	Write a C program to print all the prime numbers between 1 to 100.	(7M)
5.	a)	What are the different ways of passing parameters to the function? Explain.	(7M)
	b)	Write a C program using the concept of functions to swap the values of variables without using third variable.	(7M)
6.	a)	What is string? Explain about declaration and initialization of string in 'C'. How strings are displayed with different formats? Explain with examples.	(7M)
	b)	Write a C program to perform the operation of addition of two matrices.	(7M)
7.	a)	What is the need of nested structures? Explain with one example.	(7M)
	b)	Create two text files and write a program to add the contents of one file at the end of another.	(7M)
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