

I B. Tech I Semester Supplementary Examinations, April- 2022 COMPUTER PROGRAMMING

(Com to ECE, Aero E, Auto E, Bio-Tech. Chem. E, CE, CSE, IT, EIE, EEE, ME, Metal E, Min E, PChem. E, PE, ECom. E)

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

PART -A

1.	a)	Define Application software.	(2M)
	b)	List any four Mathematical Library Functions.	(2M)
	c)	Write the syntax of if-else Statement.	(2M)
	d)	Write any four features of modular programming.	(2M)
	e)	Define an array.	(2M)
	f)	What are the various derived data types available?	(2M)
	g)	List various modes of opening a file.	(2M)

PART -B

2.	a)	Discuss the features of the high-level languages with suitable examples.	(7M)
	b)	Write an algorithm to compute the sum of first n numbers.	(7M)
3.	a)	Discuss various Data Types and Arithmetic Operations in detail.	(7M)
	b)	Explain how Operator Precedence and associativity applied in C with an example.	(7M)
4.	a)	Write a C program to demonstrate the use of Switch-Case.	(7M)
	b)	Write a C program to compute the factorial of a given number using the While loop.	(7M)
5.	a)	Discuss the importance of storage class, local variable storage class, and global variable storage classes with suitable examples.	(7M)
	b)	Write a C program to print the Fibonacci series using Recursion.	(7M)
6.	a)	Write a C program to find the biggest number in a given array.	(7M)
	b)	Write a C program to compute the reverse of any given string.	(7M)
7.	a)	List and explain various file functions available in C.	(7M)
	b)	Compare and contrast structure with union with suitable examples.	(7M)

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