

Academic Year: 2023-24

Course: -	Logic building with C	CAT II - B.Tech		
Semester: -			Course Code:	AS104T
Program : -	B.Tech (Group-1)		Max. Marks: - Duration: -	20
structions to C	andidate – 1) Ouestion N		Date of D.	1 hr 19/12/2023
	2) Solve Que.	No. 1 is compulsory. No. 02 OR Owner		19/12/2023

- 2) Solve Que. No. 02 OR Que. No. 03
- 3) Solve Que. No. 04 OR Que. No. 05
- 4) All Questions carry marks as indicated
- 5) Use of Non Programmable calculator is allowed.

0		and allowed.			
Que. No	Dogovi-				
Que.1(a	Define Symbolic Constant.	ion of Question	Mad		
Que.1(b	Symbolic Constant.		Marks	[CO]	BIL
	onditional Operator		01	3	1
Que.1(c)	What are various Input and Outp	411	01	3	1
Que.1(d)	Explain Break statement	it Library Functions?	01	4	1
Que.1(e)	Explain Break statement with exa Write syntax of For loop.	mple.	01	5	
Que.2(a)	Due.2(a) Explain different Data Types in C.		01	5	1
Que.2(b)			02	3	1
,	obtained in an examination using	student according to the marks felseif ladder.			
	Grade Mark Distinction Mark				
	1et D	s>= 75	06	4	3
	and D:	Marks < 75 Marks < 60		7	3
	and Division	Marks < 50			
	Fail Marks				
		OR			
Que.3(a)	What is Hierarchy of Operators in	C?	02	2	
Que.3(b)	Write down syntax of Swich staten		02	3	1
	whether entered character is vovel	or consonant using Switch Case.	06	4	3

J		Explain Continue statement with the help of suitable program.	03	5	
-	(uc.4(a)	while and Do. While loop states	04	5	4
1	Que.4(b)	OR		,	
		c. Hawing output.			
	Que.5	Write a program to print the following output.	07	5	3
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Course Outcomes - After Completion of this course student will -

COL	Devlop problem solving logic.
CO2	Analyse and design problems.
CO3	Understand the fundamentals of C programs.
CO4	Implement decision making control structures.
CO5	Implement loop control structures.



Academic Year: 2023-24 CAT I - B.Tech

Course: -	Logic building with C	Course Code: -	AS104T
		Max. Marks: -	
Semester: -	I	Duration: -	1 hr
Program : -	B.Tech (Group-1)	Date of Paper	30/10/2023

Instructions to Candidate - 1) Question No. 1 is compulsory.

- 2) Solve Que. No. 02 OR Que. No. 03
- 3) Solve Que. No. 04 OR Que. No. 05
- 4) All Questions carry marks as indicated
- 5) Use of Non Programmable calculator is allowed.

Que. No.	Description of Question	Marks	[CO]	[BTL]	
Que.l(a)	Explain Number System.	01	1	2	
Que.1(b)	Convert (1100110) ₂ into octal.	01	1	3	
Que.1(c)	What is Algorithm?	01	2	1	
Que.1(d)	Define Pseudo code.	01	2	1	
Que. [(e)	Define Keywords. How many keywords are there in C?	01	3	1	
Que.2	Explain different problem solving techniques with suitable diagram.	08	1	2	
	OR				
Que.3(a)	Write the steps to calculate factorial of a number and Fibonacci series.	04	1	3	
Que.3(b)	Que.3(b) Define following Information structures: I. Array II. Linked List III. Tree IV. Graph		1		
Que.4	Write algorithm, pseudocode and draw flowchart to check entered number is even or odd.	07	2	3	
OR					
Que.5(a)	Explain advantages and disadvantages of flowchart.	03	2	2	
Que.5(b)	Write pseudocode and draw flowchart to find largest of three numbers.	04	2	3	

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COS	Implement loop control structures.	