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B.Tech. , Sem. 01

Roll No. _____

MID SEMESTER EXAMINATION

June-2023

Course Code: FCCS002

Course Title: **Computer Programming**

Time: 1:30 Hours

Max Marks: 15

Note: Attempt all questions. Assume suitable missing data if any.

No.	Question(s)	CO	Marks
1 (a)	Write down the rules for naming a variable in c language.	1	1
1 (b)	Discuss the type conversion between the system defined data types of c language.	1	1
2 (a)	If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits (Use comments wherever it is necessary to make the programs understandable).	2	2
2 (b)	Identify the need of loops in any computer language.	2	1
3 (a)	If a four-digit number is input through the keyboard, write a program to obtain the sum of the first and last digit of this number. (Use comments wherever it is necessary to make the programs understandable).	1,2	2
3 (b)	Discuss the basic grammar rules for if else statement.	2	1
4 (a)	How pointer variables are different from the other variables.	2	2
4 (b)	What will be the output <pre>int main() { int a=5, b=6; if(a=b) printf("hi"); return 0; }</pre>	1	1
5 (a)	Write a program to print all the ASCII values and their equivalent characters using a while loop. The ASCII values vary from 0 to 255.	1,2	2
5 (b)	List the functionality provided by the use of functions in c language.	2	2