

MALLAREDDY ENGINEERING COLLEGE
(AUTONOMOUS)

I B. TECH I-SEM MR20 (2021 BATCH)

MID EXAMINATION-I (QUESTION BANK)

NAME OF THE SUBJECT: PROGRAMMING FOR PROBLEM SOLVING

Q.No.	Questions (MODULE-1)	Blooms Taxonomy Level	CO
1	Discuss the following i. Compiler ii. Interpreter iii. Assembler	Understand	1
2	List out the different symbols in flow chart and Draw the flow chart for biggest of three numbers.	Remember	1
3	Explain the various program development steps of C in detail.	Understand	1
4	List out the characteristics of an Algorithm and Write an algorithm and pseudo code for finding the roots of a Quadratic equation.	Remember	1
5	Describe the primitive data types in C language.	Understand	1
6	Explain any four operators available in C language with suitable examples.	Understand	1

Q.No.	Questions (MODULE-2)	Blooms Taxonomy Level	CO
1	Describe about the following conditional statements with examples (i) simple if (ii) if-else (iii) else-if-ladder	Understand	2
2	Develop a C program and draw the flow chart to perform arithmetic calculations using switch Statement?	Create	2
3	Discuss the various Entry-controlled statements used in C with suitable examples?	Understand	2
4	Construct a C program to find sum of individual digits of a given number.	Create	2
5	Differentiate between Break and Continue statements with an example.	Analyse	2
6	Develop a C program to evaluate the series $1^2+2^2+3^2+4^2+5^2+\dots+n^2$	Create	2

Q.No.	Questions(MODULE-3)	Blooms Taxonomy Level	CO
1	Construct a C program to find the factorial of a given number using function.	Create	3
2	Explain the different user defined functions with an example.	Understand	3
3	Demonstrate the following terminology. (i) function prototype (ii) formal arguments (iii) function call	Apply	3