CODESIGN MULTIMEDIA INSTITUTE
ASSIGNMENT SHEET (C – Programming)

Student Name: _____   Reg. No:- _____

Course: _____   Start Date:____/_____/____

Mob:_____   Time:_____

No	Topic Name	Date	Student Sign	Supervisor Sign
1	**C Basic / Introduction / printf Function / /n / /t**			
1.1	WAP to Print your Bio-data using Printf Function			
1.2	WAP to print Student Result Format using Printf function			
1.3	WAP to print Contact Book using Printf function			
2	**Int Data type/Arithmetic Operator**			
2.1	WAP to declare two variable and calculate (sum/sub/mul/div) using this variable			
2.2	WAP to swap 2 value without using third variable			
3	**Assignment Operator / Scanf Function**			
3.1	WAP to swap 2 value with third variable			
4	**Data Type (unsigned/long/Float/double)/Type Casting**			
4.1	WAP to Calculate Area and Circumference of circle (Area of Circle = **PI * R²** / Circumference of **Circle = 2 * PI * R**)			
4.2	WAP to Calculate Area of Square **(area = side * side)**			
4.3	WAP to Calculate Area of Rectangle **(area = l * b)**			
4.4	WAP to find the simple interest **(SI = (P*R*N)/100)**			
4.5	WAP Program to Convert temperature from degree centigrade to Fahrenheit(Fahrenheit = **(Celsius * 9 / 5) + 32**)			
5	**Relational Operator / Flow Chart**			
5.1	Draw a Flow chart to Find the Maximum/ Minimum number of two value			
5.2	Draw a Flow chart to Find the Maximum/ Minimum number among the three number			
5.3	Draw a Flow chart to Find the Maximum/ Minimum number among the four number			
5.4	Draw a Flow chart to Find the Maximum/ Minimum number among the Five number			
5.5	Draw a Flow chart to check equal / min / max among the three value			
5.6	Draw a Flow chart to check user is eligible for voting or not.			
6	**Control Statement (If else/Nested if)**			
6.1	WAP to Find the Maximum/ Minimum number of two value			
6.2	WAP to Find the Maximum/ Minimum number among the three number			
6.3	WAP to Find the Maximum/ Minimum number among the four number			

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6.4	WAP to Find the Maximum/ Minimum number among the Five number			
6.5	WAP to check equal / min / max among the three value			
6.6	WAP to check num and print **CODESIGN** if given num is greater than 10 or print **MULTIMEDIA** if given num is smallest 10 among three variable without logical operator			
6.7	WAP to program to check whether the given number is positive ,negative or zero.			
6.8	WAP to check person is eligible for voting or not.			
6.9	WAP to Check company is in profit or loss. Find amount of profit and loss.			
6.10	WAP to accept a coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies.			
7	**Ladder if / Logical Operator / Turnery Operator**			
7.1	WAP to Find the Maximum/ Minimum number among the Five number using Logical operator			
7.2	WAP to Find the Maximum/ Minimum number among the Three number Using Turnery Operator			
7.3	WAP to print Full Student Result of FIVE sub marks and calculate Total , per , min, max, Result, Grade			
7.4	WAP to input electricity unit charges and calculate total electricity bill according to the given condition: For first 50 units Rs. 0.50/unit /For next 100 units Rs. 0.75/unit /For next 100 units Rs. 1.20/unit / For unit above 250 Rs. 1.50/unit /An additional surcharge of 20% is added to the bill			
7.5	WAP to count currency notes in entered amount.			
7.6	WAP to read temperature in centigrade and display a suitable message according to temperature state below : Temp < 0 then Freezing weather Temp 0-10 then Very Cold weather Temp 10-20 then Cold weather Temp 20-30 then Normal in Temp Temp 30-40 then Its Hot Temp >=40 then Its Very Hot			
8	**Control statement (switch case) / Modules**			
8.1	WAP to check Odd / Even num of given Number			
8.2	WAP to input week number and print week day			
8.3	WAP to input month number and print number of days in that month			
8.4	WAP to find maximum or minimum number among two variables			
9	**Loop (While)**			
9.1	WAP to display the first 10 natural numbers			
9.2	WAP to print all natural numbers in reverse			

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9.3	WAP to find sum of first **N** natural numbers			
9.4	WAP to print Range between two number			
9.5	WAP to print Range of ODD num if first num is smallest and Print range of Even num if First num is largest			
9.6	WAP to find factorial of a given number			
9.7	WAP to print reverse given num			
9.8	WAP program to count number of digits in a number			
9.9	WAP to find sum of all even numbers between 1 to n.			
10	**Do while loop**			
10.1	WAP to Display The Multiplication Table of a Given Number			
10.2	WAP to display the cube of the number upto given an number			
10.3	WAP program to sum of digits in a number			
10.4	WAP to find the number and sum of all integer between two user input num which are divisible by given num			
10.5	WAP to enter password and check password with entered password, if password is match then print "WELCOME" otherwise ask to give correct password.			
10.6	WAP to find power of a number.			
11	**For loop**			
11.1	WAP to print Fibonacci series in a given range			
11.2	WAP to check given num is Armstrong or not			
11.3	WAP to check given num is Palindrome or not			
11.4	WAP to check given num is Prime or not			
11.5	WAP to check given num is perfect or not			
11.5	WAP to print Pattern given by your Faculty (15 pattern)			
12	**Keywords (goto / break / continue)**			
12.1	WAP to calculate the sum and average of positive numbers If the user enters a negative number, the sum and average are displayed.			
12.2	WAP to calculate sum of number if user enter negative num loop terminates (10 num maximum)			
12.3	WAP to calculate sum of number is user enter negative it is not added to result (user enter maximum 10 num)			
P1	**WAP to input basic salary of an employee and calculate its Incentive and Gross salary and net salary of given your faculty**			
13	**Array**			
13.1	WAP to get the array and display it			
13.2	WAP to display the array with the position.			
13.3	WAP to get the array and display it in the reverse order			
13.4	WAP to get the array and copy it into the another array			
13.5	WAP to get the array and copy the reverse of the array into the another array			
13.6	WAP to get two array and merge it into the third array			

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13.7	WAP Sum of the elements of the array			
13.8	WAP Find the max value from the array			
13.9	WAP Find the min value from the array			
13.10	WAP to get the array and search the element from it			
13.11	WAP to replace the particular element from the array			
13.12	WAP to insert the element in array			
13.13	WAP to delete the element from the array			
13.14	WAP to delete all duplicate element from the array.			
13.15	WAP to merge two array at particular position.			
13.16	WAP to sort array in ascending order.			
14	**2-d array**			
14.1	WAP to get the 2-d array [matrix] and display it			
14.2	WAP to Addition of two matrices			
14.3	WAP to Sum of elements of the matrix			
14.4	WAP to Find the max from the matrix			
14.5	WAP to Find the min from the matrix			
14.6	WAP to Row-wise sum			
14.7	WAP to Column-wise sum			
14.8	WAP to check whether two matrices are same or not.			
14.9	WAP to find determinant of a 2x2 matrix. **(ad-bc)**.			
18	**Char / string / String function**			
18.1	WAP to Enter char and display it.			
18.2	WAP to Enter Char and display ASCII code			
18.3	WAP to Enter decimal and display char.			
18.4	WAP to enter name and display it.			
18.5	**WAP to enter name and count following format.** (i) Length of given string. (ii) Total Num of alphabet. (iii) Total Num of digit. (iv) Total Num of Upper character. (v) Total Num of Lower character. (vi) Total Num of space. (vii) Total Num of words. (viii) Total Num of other character.			
18.6	**WAP to given string and display following format.** (i) Display Sentence case. (ii) Display lowercase. (iii) Display upper case. (iv) Display title case. (v) Display toggle case.			
18.7	WAP to given string and find out the num of times 'a' is there in the string.			
18.8	WAP to given string and Replace character in the string.			
18.9	WAP to given string and Delete character in the string.			
18.10	WAP to given string and display reverse order.			

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18.11	WAP to check two strings are same or not.			
18.12	WAP to check string is palindrome or not.			
18.13	WAP to trimg leading white space from given string.			
18.14	WAP to delete all extra black spaces from given string.			
19	**User define function / Variable Scope / Recursion**			
19.1	WAP to enter two value and that values of sum,sub,mul and div using UDF.			
19.2	WAP to area of triangle, circle, rectangle and square with switch case.			
19.3	WAP to find out factorial of a given num using function.			
19.4	WAP to interchange values of two variable using function and global Variable			
19.5	WAP to find out maximum out of three num using function.			
19.6	WAP to reverse a string using function.			
19.7	WAP to sort a list of names in alphabetical order using function.			
19.8	WAP to find factorial using recursion.			
19.9	WAP to find sum on n natural number using recursion.			
20	**Maths Function / Delay / Random**			
20.1	WAP to create stopwatch using delay function.			
20.2	WAP to generate 9 random number and store it into array.			
21	**Structure / Union**			
21.1	WAP to given int, float, char data and display it.			
21.2	WAP to searching an item from array of structure.			
21.3	WAP to sorting elements of array of structure.			
22	**Pointer**			
22.1	WAP printing address of variable.			
22.2	WAP accessing elements using pointer.			
22.3	Pointer to return multiple values from function (swap prog).			
24	**File Management**			
24.1	WAP writing a string into a text file.			
24.2	WAP reading a string into a text file.			
25	**Graphics in C**			
P1	**WAP to create Tic-Tac-Toe game.**			