







Subject code	:	CE143	Semester	:	1	Academic Year	:	2023-2024
Subject name	:	Computer Concepts and Programming						

Instructions for Coding standards:

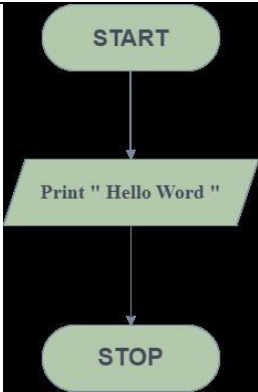
- First line in any program must be “/* This program is prepared by 23CSXXX_Name */”.
- Understand the problem and draw the flowchart for planned solution and write algorithm.
- **Indentation:** Ensure proper indentation in code.
- **Naming Conventions:** Ensure appropriate naming conventions for variables (CamelCase is mandatory).
- **Comments:** Ensure single line or multiline comments in code.
- Habituate yourself for revising code in order to solve errors.

Essential symbols for flowchart: [Students may use additional structures in certain cases to increase knowledge transfer]

S.No.	Name	Symbols	Meanings
i.	Start/Stop		It indicates the beginning and ending of the flowchart.
ii.	Input/output		It indicates the input/output operations.
iii.	Processing		It indicates the calculation or manipulate of data.
iv.	Decision		It indicates the decision making and branching.
v.	Flow lines		It indicates the direction of flow of instruction.
vi.	Connector		It joins one part of the flowchart with another part.

Rubrics:

Criteria	Excellent 5	Good 3	Poor 1
Flowchart and Algorithm	Ensured correct use of Flowchart symbols, also flow of solution and algorithm are matching	Correct use of flowchart symbols but mismatch in flowchart and algorithm	Either Flowchart or Algorithm is missing
Coding Standards (Naming Conventions, Indentation, Comments)	All 3 ensured	Any two ensured	Any one ensured
Output as per Expectation (Attach output screenshot and filled the table)	Attached screenshot of output and filled the table	Attached screenshot of output but not filled the table	Neither Screenshot attached nor filled the table
Question and Answer	Questions are answered appropriately and are well formatted	Minor mistakes in answers and moderately formatted	Either not answered or clarity of answer is not apparent

	Practical 1
Program: 1.1	Write a simple Program to print “Hello World” using notepad.
Flowchart	 <pre> graph TD START([START]) --> Print[/Print " Hello Word "/] Print --> STOP([STOP]) </pre>
Algorithm	Step 1: Start Step 2: Print Hello World Step 3: Stop
Code	<pre> /* This Program is Prepared by 23CS041_DHRUV_LOKADIYA*/ #include<stdio.h> int main() { printf("\nHello Word"); printf("\n23CS041_CS1"); return 0; } </pre>
Output	<pre> Hello Word 23CS041_CS1 </pre>
Program: 1.2	Write a C program that will output this passage by Michael Singer. Make sure your output looks exactly as shown here (including spacing, line breaks, punctuation, and the title and author). Use Required Escape Sequence and ASCII Value.

[illegible]

Sign:

Grade: