



योग: कर्मसु कौशलम्

Darshan University – School of Engineering

Bachelor of Technology – Semester I

Mid Semester Examination

Course Code : 21CS01101 Exam Date : 17/12/2021
 Course Name : Computer Programing using C Total Marks : 30
 Time : 11:30 am to 12:45 pm Enrollment No. : _____

- Instructions**
1. Attempt **all** the questions.
 2. Figure to the right indicate maximum **marks**.
 3. Don't do any kind of **rough** work or **calculation** in Question Paper.
 4. **Make** suitable assumptions whenever necessary.
 5. The text to the right-side of the marks indicates the Bloom's Level (**BL***) of the question followed by the Course Outcome (**CO**).
- i.e. **R**: Remembrance, **U**: Understanding, **A**: Application, **N**: Analyze, **E**: Evaluate, **C**: Create.

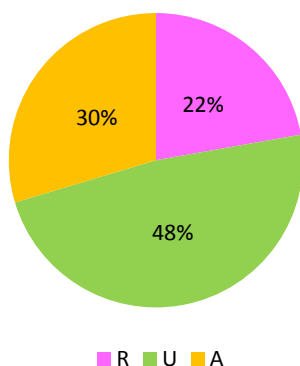
Course Outcomes (COs)

At the end of this course, students will be able to:
 CO1: **Apply** the operators and conditional statement to solve problems.
 CO2: **Apply** branching & looping with C program.

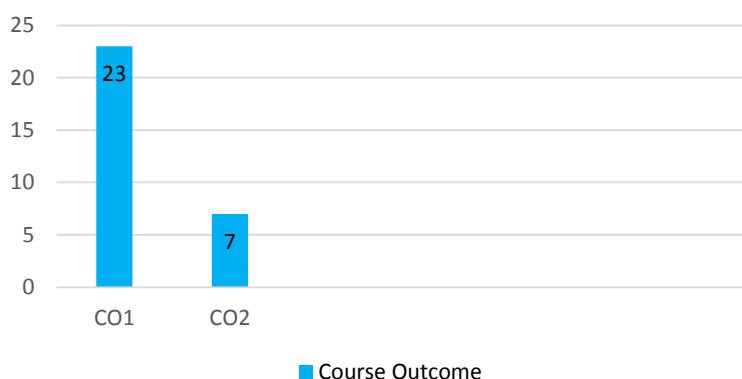
Q. No.	Question	Marks	BL*	CO
Q. 1	(A) Define Keywords, Identifiers and Variable.	03	R	CO1
	(B) List out the operators used in C language and explain with example.	07	U	CO1
Q. 2	(A) Define algorithm and flowchart. List all symbols used in flowchart.	03	R	CO1
	(B) Draw a flowchart that reads three numbers and prints the value of the largest number.	03	A	CO1
	(C) Write a C program to calculate profit or loss. <u>Example:</u> Enter Cost Price : 100 Enter Selling Price : 150 Profit : 50 <u>Answer</u> : Profit, Loss, NoProfit - NoLoss	04	A	CO1
	OR			
Q. 2	(A) What is header file? List out any three header files with its usage.	03	R	CO1
	(B) List basic data types available in C? Write a C program to print size of each data type using sizeof operator.	03	A	CO1
	(C) Write a C program to swap the two numbers.	04	A	CO1
Q. 3	(A) Explain nested if-else statement with syntax and example.	03	U	CO2
	(B) Differentiate Conditional Operator & if-else.	03	U	CO1

	(C)	Write a C program to accept marks of four subjects as input from user. Calculate and display total, percentage and grade of student according to given conditions: <u>Percentage Grade:</u> 100 – 80 Distinction 79 – 60 First Class 59 – 40 Second Class < 40 Fail	04	A	CO2
		OR			
Q. 3	(A)	Explain switch case with syntax and example.	03	U	CO2
	(B)	What is type conversion? Explain different types of conversion with example.	03	U	CO1
	(C)	Write a program to find number of days in a given month of a given year. <u>Example:</u> Month : 3 Year : 1996 Number of days : 31	04	A	CO2

Bloom's Level wise Marks Distribution



Course Outcome wise Marks Distribution



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