



## Department of Information Technology

**Vision:** To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

**Mission:**

- To encourage young minds for training & entrepreneurship.
- To convey standard education with a rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

**Subject Name: Programming in 'C' (22226)**

**Date :-**

**Assignment No :-1**

**Course Outcome: study of algorithm & flowchart**

**Topic Name :- Program Logic Development (C205.1)**

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Q.1 Describe the term Algorithm with its characteristics.

Q.2 Explain flowchart with its symbols.

Q.3 What are the advantages Of Using FLOWCHARTS?

Q.4 Write algorithm and flowchart for swapping of two numbers

Q.5 What is Pseudocode. Explain with example.

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**Date of Submission :-**

**Assign By :- Kirti Karande**



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**Subject Name: Programming in 'C' (22226)**

**Date :-**

**Assignment No :-2**

**Course Outcome: programs using arithmetic exp.**

**Topic Name :- Basics of C Programming (C205.2)**

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Q.1 Explain Features of C Language

Q.2 State & describe Basic Structure of C Program.

Q.3 Give the significance of and header files..

Q.4 Explain Data Types in C in detail.

Q.5 Explain token in C in detail.

Q.6 Explain any 3 operators with example.

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**Subject Name: Programming in 'C' (22226)      Date :-**

**Assignment No :-3**

**Course Outcome: study of control structure**

**Topic Name :- Control Structures (C205.3)**

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Q.1 Give general form of if-else with its example.

Q.2 C program to check whether a character is vowel or consonant.

Q.3 C program to find the largest of three numbers using Conditional Operator.

Q.4 Explain break and continue statements in detail.

Q.5 Write a program to check whether a give number is pallindrom or not.

Q.6 write a program to generate following pattern.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

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**Subject Name: Programming in 'C' (22226)**

**Date :-**

**Assignment No :-4**

**Course Outcome:** program using array & structures.

**Topic Name :- Array And Structure (C205.4)**

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Q.1 Write a program to arrange numbers in ascending order using array.

Q.2 Write a program to perform Addition of two matrix in C.

Q.3 Explain Array with its advantages and disadvantages.

Q.4 Explain any four functions in String.

Q.5 C Program to Find the Length of a String without using the Built-in Function.

Q.6 What is Structure. Write a program to declare structure employee having data member name, age, street and city. Accept data for two employees and display it.

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**Subject Name: Programming in 'C' (22226)**

**Date :-**

**Assignment No :-5**

**Course Outcome: develop program using pointers**

**Topic Name :- Functions & Pointers (C205.5 , C205.6)**

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Q.1 Differentiate between Call by value & Call by reference.

Q.2 Write a program to calculate factorial of a number using recursion.

Q.3 Explain storage classes in C.

Q.4 Describe function with its types in detail.

Q.5 Perform swapping of two numbers using pointers..

Q.6 Explain types of variable.

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