



**CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY**  
(Under Government of Kerala)  
**CEP EXAMINATION-FEBRUARY 2021**  
**Subject: Introduction to Programming**  
**DCA**

Register No.

Time: 3 Hours  
Maximum Marks:100

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**I. Fill in the blanks. Answer ALL questions.**

**(10 x 1 = 10)**

1. Every complete statement in C program must terminate with \_\_\_\_\_
2. A function with no return type is declared as \_\_\_\_\_
3. A \_\_\_\_\_ is a variable that can hold the memory address of another variable.
4. ALU stands for \_\_\_\_\_
5. Every string is terminated with a \_\_\_\_\_ character.
6. \_\_\_\_\_ is a pictorial representation of a program.
7. Static variables are declared using the keyword \_\_\_\_\_
8. \_\_\_\_\_ function copies one string to another.
9. C is a \_\_\_\_\_ level programming language.
10. The keyword \_\_\_\_\_ is used to declare an integer variable.

**II. Explain briefly. Answer any TEN questions.**

**(10 x 4 = 40)**

1. Briefly explain about string functions in C.
2. Define constants and variables.
3. What is the use of arithmetic operators? List arithmetic operators.
4. Differentiate break and continue statement.
5. Write short note on flowchart symbols.
6. Write short note on storage classes.
7. Write a program to compare two given numbers.
8. Write short note on arrays.
9. What are keywords, give example.
10. Write short note on pointers.
11. Write short note on scanf and printf functions.
12. What is a data file? List library functions for creating and processing data files.
13. What are functional units of a computer?

**III. Answer any FIVE questions. Explain in detail.**

**(5 x 10 = 50)**

1. Explain about different types of programming languages. Write a program to display a message.
2. Explain different control statements in C.
3. Explain about data types in C language.
4. Explain in detail about different types of loops used in programming languages.
5. Explain about different generations of computers.
6. Write a program to find sum of values in two arrays.
7. Explain about stack, pointer and linked list.

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