CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY
(Under Government of Kerala)
CEP EXAMINATION-FEBRUARY 2020
Subject: Introduction to Programming
DCA

Register No.

Time: 3 Hours
Maximum Marks:100

I. Fill in the blanks. Answer ALL questions. **(10 x 1 = 10)**

1. The keyword _____ is used declare a static variable.
2. In C, program execution begins from _____ function.
3. The operator "++" is known as _____ operator.
4. The _____ operator can be used to find the length of an array.
5. A single character can be read from the keyboard using _____ function.
6. _____ statement is used for an immediate exit from a loop.
7. _____ data type is used for declaring an integer variable.
8. _____ () is used to copy strings.
9. To open a data file, _____function is used.
10. The _____ statement is equivalent to i=i+1;

II. Explain briefly. Answer any TEN questions. **(10 x 4 = 40)**

1. What are variables? List rules for naming a variable.
2. What do you mean by a pointer?
3. Differentiate break and continue statements.
4. List any four string handling function in C.
5. Briefly explain the use of scanf and printf functions.
6. Write a program to find the smaller of two given numbers.
7. What is the difference between while loop and do while loop.
8. What are keywords? Give examples.
9. What is an algorithm?
10. What is an array? Give example.
11. What is the use of getchar () and putchar () functions?
12. Write short note on C language.
13. Briefly give note on arguments passing to functions.

III. Answer any FIVE questions. Explain in detail. **(5 x 10 = 50)**

1. Explain in detail about different data types in C language.
2. Explain about different kinds of loops in detail with an example.
3. Write a program to find the sum of two matrices.
4. Explain about file handling in C.
5. Explain about following
   a) Storage classes in C
   b) Linked list
6. What are the different types of operators used in C?
7.
   a) Explain about different types of programming languages
   b) Write short note on enumerated data type and stacks

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