



GOVERNMENT DEGREE COLLEGE NANDIKOTKUR, KURNOOL-DIST.

**SUBJECT: PROBLEM SOLVING IN C
QUESTION BANK
I YEAR B.Sc (MPCs)-I SEMESTER**

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MULTIPLE CHOICE QUESTIONS

1. ____ is a picture in which the flows of computational paths are depicted.

- (A) Algorithm
- (B) Program
- (C) Code
- (D) Flow chart

2. Among unary operation which operator represents increment?

- (A) --
- (B) ++
- (C) -
- (D) !

3. The function scanf is used to ____

- (A) To take logical decisions
- (B) Input a set of values
- (C) Print a set of values
- (D) Do mathematical manipulations

4. If the function returns no value then it is called ____

- (A) Data type function
- (B) Calling function
- (C) Main function
- (D) Void function

5. A function ____

- (A) May or may not need input data
- (B) May or may not return a value
- (C) Both a and b
- (D) None of these

6. Which character is used to indicate the end of the string?

- (A) Any alphabet
- (B) A
- (C) Null
- (D) None of these

7. Each element of a structure can be ____

- (A) Read and printed as a separate data item
- (B) Printed as a separate data item
- (C) Read as a separate data item
- (D) None of these

8. In the for loop structure, which statement is present?
- (A) Assign statement
 - (B) Alter statement
 - (C) Both (a) and (b)
 - (D) None of these
9. When the computer is waiting for the input?
- (A) Files are selected
 - (B) The cursor is blinking in the VDU screen
 - (C) Menu will appear on the screen
 - (D) None of these
10. Which of the following operators has highest precedence?
- (A) *
 - (B) /
 - (C) %
 - (D) All have same precedence

FILL IN THE BLANKS

1. All keywords in C are in _____
2. The C-preprocessors are specified with _____ symbol.
3. The standard header _____ is used for variable list arguments (...) in C.
4. scanf() is a predefined function in _____ header file.
5. The global variables are _____.
6. Every C Program should contain _____ function.
7. Arguments passed to a function in C language are called _____ arguments.
8. An Identifier can start with _____
9. C is a _____ language.
10. In the C language, the constant is defined _____.
11. If the function returns no value then it is called _____
12. All keywords in C are in _____
13. Functions in C Language are always _____
14. _____ are tokens in C?
15. _____ the maximum size of a double variable.

UNIT-I

General Fundamentals and Introduction to Algorithms & Programming Languages

1. Define Computer? Explain in detail about computer with neat diagram.
2. Define Computer? Explain different types of computer.
3. Explain about computer generations in detail.
4. Define memory? Discuss about main memories in details.
5. What is cache memory? Explain.
6. Define an algorithm? What are the characteristics of an algorithm? Explain briefly.
7. What is a flowchart? Explain different flowchart symbols.
8. Explain different generations of programming languages.
9. What are uses/applications of computers?
10. What are the differences between RAM and ROM.?

UNIT-II

Introduction to C and Decision Control Looping Statements

1. Write short notes on C-Program structure.
2. Define data type? Explain different types of data types in C language.
3. Define variable and constant? Explain briefly.
4. Define an operator? Explain various operators in c.
5. Discuss about conditional branching statements or decision control statements.
6. Define a loop/iteration? Explain about different iterations in C language.
7. Distinguish between Do. While and while loop.
8. Discuss about break and continue statements.

UNIT-III

Arrays and Strings

1. Define an array? How elements in an array are accessed?
2. Define an array? Explain different ways to store values in an array.
3. Explain about one dimensional array with example.
4. Explain about two dimensional arrays with example.
5. Define string? Explain operations of strings

UNIT-IV

Functions, Structures and Unions

1. Write about functions in C.
2. What is function? Explain its advantages.
3. How arguments are passed to a function. Explain with example.
4. Define variable. Explain the scope of variables.
5. Explain about various storage classes in C.
6. Define a structure. Write short notes on structures.
7. Define an union. Write short notes on union.
8. Define an enumerated data type? Explain.
9. Define recursion. How recursion is implemented in C?

UNIT-V

Pointer and Files

1. Define pointers. Explain the pointers in C.
2. Discuss about pointers and arrays briefly.
3. Discuss about dynamic memory allocation in detail.
4. Define a file? Explain different types of files in C language.
5. Discuss about file operations in c.
6. Explain about different commands used for reading and writing data onto the files.
7. Write about command line arguments in C.