

- Q.28 List any four benefits of pointers.
- Q.29 Briefly explain the various modes in which file can be opened.
- Q.30 What is the used of each of following.
- a) Comma operator      b) Return statement
  - c) Address operator      d) Go to statement
- Q.31 Write one use of structure. Also give three differences between array and structure.
- Q.32 What is meant by formatted input and output.
- Q.33 How do we initialize structures during declaration? Give an example.
- Q.34 Tell the purpose of witch statement.
- Q.35 Write a program to find factorial of numbers.

#### SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Write short note on the following:-
- a) Flowchart and its uses
  - b) Algorithms and its disadvantages.
- Q.37 Describe with example the nested if statement.
- Q.38 How function declaration differs from function definition? Write a 'C' program to show function calling by passing a value.

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120825/030825

#### Subject : Prog. In 'C'

Time : 3 Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 What are types of Functions in 'C' Language."
- a) Library Functions
  - b) User Defined Functions
  - c) Both Library and User Defined
  - d) None of the above
- Q.2 Operator % in 'C' Language is called.?
- a) Percentage Operator    b) Quotient Operator
  - c) Modulus                      d) division
- Q.3 Each statement in a 'C' program should end with.?
- a) Semicolon ;              b) Colon :
  - c) Period . (dot symbol)    d) None of the above
- Q.4 Loops in 'C' Language are implemented using.?
- a) While Block              b) For Block
  - c) Do While Block          d) All the above
- Q.5 How many values can a 'C' Function return at a time?
- a) Only One Value
  - b) Maximum of two values

- c) Maximum of three values  
d) Maximum of 8 values
- Q.6 Find the correct 'C' keyword below  
a) Work                              b) Case  
c) Breaker                          d) Permanent
- Q.7 Types of Integers are.?  
a) Short                              b) Int  
c) Long                               d) All the above
- Q.8 Types of real numbers in 'C' are?  
a) Float                               b) Double  
c) Long double                      d) All the above
- Q.9 A function which calls itself is called a \_\_\_\_\_ function.  
a) SelfFunction                      b) Auto Function  
c) Recursive Function              d) Static Function
- Q.10 Choose correct statement about Functions in 'C' Language  
a) A function is a group of 'C' statements which can be reused any number of times.  
b) Every function has a return type.  
c) Every Function may or may not return a value.  
d) All the above.

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name any one relational operator.

- Q.12 In 'C' upper and lower cases letter are same. (True/False)
- Q.13 Give one example of syntax error.
- Q.14 What are relational operators.
- Q.15 How string is similar to arrays.
- Q.16 Name the loop that executes at least once.
- Q.17 Define library files.
- Q.18 What are multi dimensional arrays.
- Q.19 Write any two differences between call by value and call by reference.
- Q.20 An entire array is always passed by \_\_\_\_\_ to a called function.

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What are basic data types in 'C'? Explain any two of them with examples.
- Q.22 Explain the difference between compilation and debugging.
- Q.23 Explain different components of function with suitable example.
- Q.24 Define function. Mention its uses while writing a program.
- Q.25 Write down any five limitations of flow charts.
- Q.26 What are various file input functions? Give their general syntax along with examples.
- Q.27 Describe with example the nested if statement.