

SEAT No. \_\_\_\_\_



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[26]

SARDAR PATEL UNIVERSITY

B.Sc. (CA & IT) SEM : 01 EXAMINATION 2022

US01CIIT51 || COMPUTER PROGRAMMING USING C

DATE : 10/12/2022, Saturday TIME: 10.00 am To 01.00 pm

MARKS : 70

Q.1 Multiple Choice Questions.

[10]

1. \_\_\_\_\_ is a pictorial representation of an algorithm.  
[A]. Data Diagram [B]. Flow Chart [C]. Pie chart [D]. Program
2. Which of the following has highest precedence  
[A]. ++ [B]. + [C]. - [D]. \*
3. The switch expression can be an \_\_\_\_\_ type.  
[A]. Integer [B]. Float [C]. Double [D]. None of These
4. In a for loop statement the initialization, condition and increment sections are separated by \_\_\_\_\_.  
[A]. Comma [B]. Colon [C]. Semicolon [D]. ampersand
5. Which of the following is used for assignment?  
[A]. == [B]. != [C]. = [D]. &
6. \_\_\_\_\_ function is use to reading the string  
[A]. scanf() [B]. printf() [C]. strrev() [D]. strlen()
7. \_\_\_\_\_ function count and return the number of character in a string.  
[A]. strrev() [B]. strlen() [C]. strcpy() [D]. strcmp()
8. The return type must be \_\_\_\_\_ if no value is return from the function.  
[A]. char [B]. float [C]. void [D]. int
9. The parameter is also known as \_\_\_\_\_.  
[A]. array [B]. datatype [C]. variable [D]. arguments
10. Every c program begins its execution with \_\_\_\_\_.  
[A]. { [B]. clrscr() [C]. #include<conio.h> [D]. main()

Q.2 Write Short Answers For Following Questions : [ANY 10]

[20]

1. Explain how user give comments in C.
2. What is Translator? List all translators.
3. Solve :  $25/3 \% 2$
4. Explain Switch statement with it's syntax
5. Differentiate while v/s do..while
6. Differentiate break v/s continue
7. Explain abs ( ) function with syntax and example
8. List any four standard library functions
9. Explain the sqrt ( ) function with syntax and example
10. Write advantages of functions
11. State syntax and purpose of return statement
12. What is library function? Give one example of library function.

[1]

(P.T.O.)

- Q.3 [A] What is variable? Write rules to define a valid variable name with example. [05]  
[B] Explain any four operators used in C language with suitable example. [05]

OR

- [A] What is flowchart? Explain symbols used to draw flowchart with example. [05]  
[B] Draw and explain basic structure of C program in detail. [05]

- Q.4 [A] Explain for loop with syntax and example. [05]  
[B] Explain printf() & scanf() with syntax and example. [05]

OR

- [A] Explain if..else and nested if statement with syntax and example. [05]  
[B] Explain exit-controlled loop detail with example. [05]

- Q.5 [A] Explain declaration and initialization of 2-D array with example. [05]  
[B] Explain following with syntax and example. [05]  
A. strlen() B. islower() C. strcmp()

OR

- [A] Explain declaration and initialization of 1-D array with example. [05]  
[B] Explain gets( ) & puts() function with syntax and example. [05]

- Q.6 [A] What is Function? Discuss all categories of function. [05]  
[B] Discuss scope, visibility and lifetime of variable. [05]

OR

- [A] Explain function declaration with syntax and example. [05]  
[B] Explain recursive function in detail. [05]

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