

Q.5 Which is correct with respect to the size of the data types?

- a) Char > Int > float
- b) int > char > float
- c) Char < int < double
- d) double > char > int

Q.6 Which of the following is not a logical operator?

- a) &&
- b) !
- c) ||
- d) |

Q.7 The C-Preprocessors are specified with _____ symbol.

- a) #
- b) \$
- c) ""
- d) &

Q.8 strlen () is a predefined function in _____ header file.

- a) Stdlib.h
- b) String.h
- c) Stdio.h
- d) Stdarg.H

Q.9 A function written by a programmer is called user defined function.

- a) True
- b) False

Q.10 The standard header _____ is used for formatted I/O functions in C.

- a) <stdio.h>
- b) <stdlib.h>
- c) <math.h>
- d) <stdarg.h>

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SECTION-B

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

Q.11 Write full form of PDLC?

Q.12 What is the difference between structure and an Array?

Q.13 Which function is required in all C programs.

Q.14 What is unary operators?

Q.15 What happens if the number of values in the initialization list is less than the size of array?

Q.16 Define recursion?

Q.17 What is go to statement?

Q.18 Define pointer variable.

Q.19 What is the purpose of strcpy.

Q.20 _____ operator is used for access the members of a structures.

SECTION-C

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

Q.21 Explain the basic structure of C program.

Q.22 What is the difference between if else and switch statement?

Q.23 What is the difference between "==" and double "="?

Q.24 Write a program to swap the value of two variables by using functions.

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- Q.25 Explain flowchart. What are the different symbols used in flowchart?
- Q.26 What is the purpose of do while statement? How does it differ from the while statement.
- Q.27 Explain recursion by using a suitable example.
- Q.28 What is the difference between structure and union?
- Q.29 What is the difference between call by value and call by reference?
- Q.30 What is the purpose of strcat () and strlen ()?
- Q.31 Write a program to accept any integer from the keyboard and print its table.
- Q.32 What is the difference between top down and bottom up approach?
- Q.33 Write syntax of switch case statement?
- Q.34 What is array? Discuss different types of arrays with example?
- Q.35 Differentiate between break and exit.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Discuss the various control statements with their syntax and purpose.
- Q.37 Explain difference between actual and formal argument with example.
- Q.38 Write the types of operators used in C and explain them with example.

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No. of Printed Pages : 4
Roll No.

180836/170836/82435

3rd Sem / Branch : Computer/Mechtronics

Sub.: Programming in C

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Which of the following is not a valid C variable name?
a) Int num; b) Float \$price;
c) int variable_count; d) int main;
- Q.2 What will be the output of the following C code?
#include <stdio h>,
int main ()
{
int p = 1, q = 2, r = 3, s = 4, x;
e = r + s = q * p;
printf ("%d, %d\n", x, s);
}
a) Syntax error
b) 5,2
c) 7,2
d) 7,4
- Q.3 Break statement exit from Program. State True/False
- Q.4 Which keyword is used to prevent any changes in the variable within a C program?
a) Immutable b) Mutable
c) Const d) Volatile

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