Problem Solving Techqniques and C Programming

Model Exam Question paper - 2

11th Standard

Computer Science

Reg.No. : | | | | | | |

I. Answer all the questions.

II. Use blue pen only.

Time : 01:00:00 Hrs

Total Marks : 40

Part-A

10 x 1 = 10

1) The first parameter of the printf () function is.....

(a) Control string (b) Format string (c) Control string or format string (d) format string or control string

2) If y=10.5, the output of printf("%f", y) ; is .....

(a) 10.5 (b) 10.50 (c) 10.500000 (d) 10.500

3) Which one of the following are the parameters defined in the called function?

(a) Local parameters (b) Actual parameters (c) Formal parameters (d) Function parameters

4) Which one of the following statement controls conditional branching?

(a) for (b) if (c) switch (d) while

5) Which one of the following is not a control statement?

(a) for (b) while (c) do-while (d) switch-case

6) The number of elements of an array must be .....

(a) <0 (b) >0 (c) <1 (d) >1

7) Which one of the following header file provides string handling functions?

(a) stdio.h (b) string.h (c) conio.h (d) stdlib.h

8) Which is a heterogeneous collection of elements?

(a) Arrays (b) Pointers (c) Structures (d) Files

9) Which one of the following operation is used to access the members of a structure?

(a) Arithmetic operator (b) Unary operator (c) Dot operator (d) Arrow operator

10) Which punctuation symbols used to represent a function, to group items and to group expressions

(a) {} (b) <> (c) [] (d) ()

Part-B

10 x 2 = 20

11) Using two examples to illustrate definite iteration.

12) Using two examples illustrate indefinite iteration.

13) State three differences between definite and indefinite iterations.

14) Give two examples where multi-way branching is more natural than two-way branching.

15) Give the properties of an algorithm

16) List out the storage classes provided by C.

17) What are extern variables?

18) List the fields in which C programming is used.

19) Write a Pseudo code to find a sum of 100 numbers.

20) Define "Function Prototype" or "Function Model".

Part-C

2 x 5 = 10

21) Write a C program to count the number of vowels present in your name.

22) Write a Flow chart to provides a method to solve the quadratic equation $ax^2+bx+c=0$

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