

Date: 23/4/11

Time 4 to 6 PM

Total Marks : 60

Printed pages : 02

Q1.(A) Fill in the blanks :- [5]

- i) Flowcharting symbols are connected together by means of _____.
- ii) A program flowchart must read from _____ to _____.
- iii) A program flowchart indicates the _____ to be performed and the _____ in which they occurred.

(B) Define flowchart & Explain Symbols used in flowchart [8]

(c) Write two Advantages and two disadvantages of algorithm. [2]

OR

Q1 (A) Fill in the blanks :- [5]

- i) A _____ symbol is used at the beginning and end of a flowchart.
- ii) _____ are used to join remote portions of a flowchart.
- iii) A decision symbol may be used in determining the _____ or _____ of two data items.
- iv) To construct a flowchart, one must adhere to prescribed symbols provided by the _____.

(B) Define algorithm. Explain in detail how it differs from flowchart with example. [8]

(c) Explain in brief the need of flowchart. [2]

Q2 (A) Write a short note on editors with examples. [7]

(B) Differentiate between
 i) High level language and Machine level language [3]

(C) Define 4th generation of computer Language [5]

OR

Q2 (A) Explain translator in detail with example. [5]

(B) Write a short note on generation of the computer language. [7]

(c) Define [3]

i) Compiler

ii) Interpreter

Q3(A) Fill in the blanks [5]

- i) The purpose of header file `stdio.h` is used to store the programs created by the user. _____ (true/false)
- ii) `scanf` function cannot be used to read a single character from the keyboard. _____ (true/false)

iii) The modulus operator `%` can be used only with integers. _____ (true/false)

iv) The keyword `void` is data type in C. _____ (true/false)

v) The default case is required in the switch statement. _____ (true/false)

- (B) What is variable name? Write the rules for naming the variable in C. [3]
- (C) Explain the general structure of C Program. [3]
- (D) Explain Arithmetic operator? [4]

OR

Q3(A) Assuming x=8 state weather the following logical expression is true or false. [3]

- i) $x == 8 \ \&\& \ x > 8$ _____ (true /false)
- ii) $x == 8 \ \|\ X > 10$ _____ (true/false)
- iii) $x == 8 \ \&\& \ x <= 8$ _____ (true / false)

(B) Fill in the blanks: [2]

- i) The _____ operator is true only when both the operands are true.
- ii) The file name stdio.h is an abbreviation for _____
- (c) What is the difference between printf & scanf. [3]
- (d) What is constant? Write rules for naming the constant. [3]
- (e) Explain relational operator? [4]

Q4(A) Explain For Loop in detail with example. [4]

(B) What is an Array? Explain initialization and declaration of one dimensional array with example. [6]

(c) Difference [3]

- i) Break & Continue
- ii) if & switch

(D) Write syntax and description of while loop? [2]

OR

Q4(A) Explain Switch case in detail with example. [4]

(B) What is an array? Explain initialization and declaration of 2D array with example [7]

(C) Objective type questions [2]

- i) Explain error if any in the following statement:
`int number[] = {0,0,0,0,0}`
- ii) The type of all the elements in an array must be the same. _____ (true/false)

D) Difference [2]

- i) entry control loop & Exit control loop

~~X = X = X~~

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