

## Section-A

## (Multiple Choice Questions(MCQ's))

Q.1 Choose the correct answer for each from the given options:

- (i) Which of the following symbol is used for not operator?  
 (a) && (b) ! (c) | (d) ++
- (ii) The while loop is also known as \_\_\_\_\_  
 (a) Post-test loop (b) Pre-test loop (c) Nested loop  
 (d) None of these
- iii) a++ is equivalent to:  
 (a) a = a + 1 (b) a + 1 = a (c) a + = 2 (d) None of these
- iv) \_\_\_\_\_ statement is used for input in C.  
 (a) Printf ( ) (b) Scanf (c) Clrscr ( ) (d) Main ( )
- v) Which of the following keyword is not use in switch statement?  
 (a) if (b) default (c) break (d) case
- vi) Which of the following statement is also known as counter loop?  
 (a) if (b) while (c) for (d) switch... case
- vii) Function prototypes for built-in functions are specified in \_\_\_\_\_ files.  
 (a) Source file (b) Object file (c) Header file (d) Image file
- viii) The C was developed in \_\_\_\_\_  
 (a) 1972 (b) 1982 (c) 2002 (d) 2012
- ix) Which is the following format specifier is used for character data type?  
 (a) % d (b) % c (c) % s (d) % lu
- x) How many control structure are used in C?  
 (a) 2 (b) 4 (c) 3 (d) 7
- xi) The delay ( ) function is declared in which header file.  
 (a) conio.h (b) dos.h (c) stdio.h (d) stdlib.h
- xii) \_\_\_\_\_ escape sequence is used for display output in new line.  
 (a) \a (b) \n (c) \t (d) \r
- xiii) The value cannot changed during execution of program is called \_\_\_\_\_.  
 (a) Variable (b) Reserved word (c) Constant (d) Casting
- xiv) Which of the following is valid character constant?  
 (a) x (b) "x" (c) 'x' (d) None of these
- xv) <,>, <=, >=, !=, == are \_\_\_\_\_ operators.  
 (a) Arithmetic (b) Logical (c) Relational (d) Assignment

## Section-B (Short Answer)

Note: Answer any EIGHT of the following questions. Each question carries 0 marks.

- Q.2 What is the difference between compiler and interpreter?
- Q.3 What is logical Errors?
- Q.4 Write a program in C language which display the following series by using for statement.  
 1/2, 3/4, 5/6, 7/8, 9/10, 11/12.
- Q.5 What is the use of "in clude" directive?
- Q.6 What is the difference between scanf ( ) function? And gets ( ) function.
- Q.7 Write a syntax | format | general form of for statement?
- Q.8 Draw a flow chart of switch ... Case statement.
- Q.9 Define built-in or system define function.
- Q.10 Convert the following arithmetic expression in C expression.  
 (i)  $g = 3/2 + 3 * 4/3 - 3 + 1.5/3$  (Assume g to be float)  
 (ii)  $N = 3 * 2/2 + 3/2 * 2 + 2 + 3.2$  (Assume N to be on info)

Q.11 What will be the output of the following program?

```

Void main ( void )
{
    Intx;
    x = 10;
    do
    {
        Printf ( "\n%d" , x);
    }
    While ( x > 100);
    getch ( );
}

```

Q.12 How to one-dimensional array is initialized in C program?

## Section-C (Descriptive Answer)

Note: Answer any TWO of the following questions.

- Q.13 Write a program of average of four numbers and draw a flow chart also.
- Q.14(a) What is the difference between while loop and do ... while loop.  
 (b) Make a program of factorial of 4 by using while loop.
- Q.15 Write short notes on any TWO of the following.  
 (i) Nested if statement  
 (ii) Difference between Clrscr ( ); and clear device ( ); function  
 (iii) Array (iv) Selection Structure.