

SECTION-A (Objective Question)

Q.1 Select the Correct Answer.

- (i) _____ is a relatively simple high-level language that was developed to help students learn programming.
(a) BASIC (b) COBOL (c) C (d) All of the above
- (ii) In preparing a program, one should first.
(a) plan the solution (b) document the program
(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 used 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 05 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 "include" 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 an integer)

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

