

**SECTION-A (Objective Question)****Q.1 Select the Correct Answer.**

1. \_\_\_\_\_ 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
2. In preparing a program, one should first.  
(a) plan the solution (b) document the program  
(c) code the program (d) define the problem
3. During the development of a program, drawing a flowchart is means to  
(a) plan the solution (b) define the problem  
(c) code the program (d) analyse the problem
4. A pictorial representation of a problem is called \_\_\_\_  
(a) a flowchart (b) an algorithm  
(c) a pseudocode (d) None of the above
5. Which of the following is not one of the three program logic constructs?  
(a) simple sequence (b) condition  
(c) loop (d) go to
6. What do you call the step by - step solution to a programming problems?  
(a) recipe (b) structure chart (c) syntax (d) algorithm
7. Which of the following is an example of initialising a variable?  
(a) num =2 (b) int num; (c) num < 2; (d) int num = 2;
8. Floating point variable are used instead of integers to  
(a) avoid being too specific about what value a number has  
(b) permit the use of decimal points in numbers  
(c) make possible the use of even numbers  
(d) conceal the true of the numbers
9. Which of the following is an arithmetic operator?  
(a) + (b) & (c) && (d) <
10. Are the following expressions true or false?  
(a) 1 > 2 (b) 'a' < 'b' (c) 1 == 2 (d) '2' == '2'
11. Precedence determines which operators \_\_\_\_\_  
(a) is most important (b) is used first  
(c) is fastest (d) distinguish different types of variable

**Section-B**

**Note: Answer any Eight of the following questions. Each question carries 05 marks.**

- Q.2 What is flow chart? Explain its symbols also.
- Q.3 What is the purpose of header files in C program?
- Q.4 What is testing and debugging?
- Q.5 Define logical operator.
- Q.6 What is nested loop?
- Q.7 Write a program of odd series 1 - 19 by using do ... while statement.
- Q.8 What is variable and how many types of variable in C language?
- Q.9 Convert the following arithmetic equation in C expression.  
(a) \_\_\_\_\_  
(b) \_\_\_\_\_
- Q.10 Write a Syntax / General form / Format of else ... If statement.
- Q.11 What will be the output of following program?  

```

void main (void)
{
    int a;
    for ( a = 0; a <= 20; a += 8)
    {
        printf ( "\n%d", a);
    }
}

```
- Q.12 What is the function of return statement?

**Section-C****(Descriptive Answer)**

**Note: Answer any TWO of the following questions. Each question carries 10 marks.**

- Q.13 How many control structure are used in C language? Explain in detail.
- Q.14 Write a program of table of 7 by using for statement and draw a flow chart also.
- Q.15 Write a short notes on any TWO of the following:  
(a) Continue statement (b) Keyword / Reserved words  
(c) Format specifier (d) Pointer