



AJEENKYA D Y PATIL UNIVERSITY

End Term Examinations (December 2018)

School : School of Engineering

Program: B.Tech. First Year

Course: Programming in C

Course Code:CSC101

Semester: I

Max Marks: 50

Duration (mins) : 120

Q1. ATTEMPT ANY TEN. EACH QUESTION CARRIES 2 MARKS:

(20)

- Draw and label different symbols used in flow charts.
- Differentiate between while and do-while loop.
- Explain pointer declaration with example.
- Draw flowchart to determine whether the given number is even or odd.
- Give Bitwise operators with example.
- Define algorithm. Explain with example.
- State any four library function with syntax.
- What is variable? Give difference between variable declaration and variable definition.
- List different types of operators in C.
- What is pointer? Give advantages of pointer.
- What is difference between = and == operator?
- State use and syntax of strlen() and substring() function?

Q2. ATTEMPT ANY FIVE. EACH QUESTION CARRIES 6 MARKS:

(30)

- Explain typecasting operator with example.
- Describe two ways of passing parameters to functions.
- Write a program to find greatest of three numbers.
- What is loop? Explain different types of loops available in C.
- Write a program to find whether given number is prime or not.
- Write a program to calculate sum of 5 subjects (Max marks of each subject 100) and find percentage?
- Write output of the following program.

```
int main()
{
    int color=2;
    switch(color)
    {
        case 0: printf("Black");
        case 1: printf("Blue");
        case 2: printf("Green");
        case 3: printf("Aqua");
        default: printf("Other");
    }
    return 0;
}
```