

Set A

**LOKMANYA TILAK COLLEGE OF ENGINEERING  
DEPARTMENT OF APPLIED MATHEMATICS**

**Internal Test-I**

Year / Semester: FE(2016-17) / SEM-II

Course Code: FEC205

Course Name : **Structured Programming Approach**

Date : /03/2017

Max. Marks : 20

Duration : 1hr

SET - A

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- Q.1.a.) Explain Vonn Neumann model in brief [CO1] [3M]  
b.) Explain different data types used in C [CO2] [3M]  
c.) Explain the following operator: Bitwise Operators [CO1] [3M]  
Q.2. a.) Draw flowchart to find whether the given number is even or odd and also write a C program for the same [CO2][CO3] [6M]

**OR**

- b.) Explain the cascaded if-else statement and write a C program to print grade of student according to marks scored in exam e.g. Grade A for marks above 75, Grade B for marks above 60, Grade C for marks above 40 else Grade Fail in case marks less than 40. [CO3] [6M]

- Q.3.a.) Write a C program to display the month if the month number is given as input using switch e.g. For input 3- display month as March [CO3] [5M]

**OR**

- b.) Write a C program to print sum of digits of a number e.g. 5123 sum of digits = 11 [CO3] [5M]

-----ALL THE BEST-----