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**SARDAR PATEL UNIVERSITY**  
**F.Y.B.B.A. (ISM) SEM - II EXAMINATION**  
**2016**

**Friday, 1<sup>st</sup> April**

**02.30 p.m. to 04.30 p.m.**

**C Programming: UM02CBBS03**

**Maximum Marks: 60**

**Q.1.**

- A. Write an algorithm for the following. 8  
1. To check whether the no is odd or even.  
2. To calculate area of rectangle.  
B. What is flowchart? Explain various symbols used in flowchart. 7

**OR**

**Q.1.**

- A. Draw a flowchart for the following. 8  
1. To find maximum number of two numbers.  
2. To check no is positive, negative or zero.  
B. Define Algorithm. Explain its characteristics and features of it. 7

**Q.2.**

- A. What is Assembly language? What are the advantages and disadvantages of High level languages? 7  
B. Write a short note on Editor. 8

**OR**

**Q.2.**

- A. What is Compiler? What is Interpreter? Write down the difference between Compiler and Interpreter. 8  
B. Write a short note on Machine level language. 7

**Q.3.**

- A. List the various Datatypes supported in C and explain any three with example. 8  
B. What is Variable? What are the rules for creating variable? Explain initialization of variable. 7

**OR**

**Q.3.**

- A. List out various operators supported in C language? Explain any three of them with example. 8  
B. Explain printf() and scanf() functions in detail. 7

**Q.4.**

- A. What is Array? How you can declare one dimensional array? Explain it with example. 8  
B. Explain If---Else if---Else statement with syntax and example. 7

**OR**

**Q.4.**

- A. Explain Switch Case statement with syntax and example. 8  
B. Explain For loop statement. 7

X=X=X