

SEAT No. \_\_\_\_\_

No. of Printed Pages : 1

[4]

**SARDAR PATEL UNIVERSITY****Second Year BBA-ISM (3 Years) (SEM-IV) (CBCS) EXAMINATION****DATE: 21/04/2018, Saturday****TIME: 10:00a.m to 12:00p.m****UM04CBBS09: Database Management System****Total Marks: 60**

**Note:** 1. All the questions are compulsory. 2. Figures to the right indicate marks.  
3. Start a new question from a new page.

**Q.1**

- a. What is DBMS? Explain the basic concepts of Database File. State and explain the advantages and disadvantages of DBMS. [15]  
**OR**

**Q.1**

- a. What is DBMS? Explain the Organization and Components of DBMS. [15]

**Q.2**

- a. What is a Data Model? Explain the E-R diagram with all 3 relationships. Also give the symbols used in E-R modeling. [15]  
**OR**

**Q.2**

- a. What is Relational Data Model? Explain the concept and also the advantages and disadvantages of it. [15]

**Q.3**

- a. Write a note on CREATE table query syntax with proper examples. [07]  
b. Write a note on SELECT and INSERT queries with syntax and proper examples. [08]  
**OR**

**Q.3**

- a. Write a note on Data types in SQL with proper examples, [07]  
b. Write a note on UPDATE and DELETE queries with syntax and proper examples. [08]

**Q.4**

- a. Write a note on any 5 of the following: [15]  
avg(), abs(), upper(), add\_months(), to\_number(), substr().  
**OR**

**Q.4**

- a. Write a note on any 5 of the following: [15]  
min(), power(), lower(), last\_day(), to\_date(), ltrim()