# SARDAR PATEL UNIVERSITY

## S.Y BBA(ISM) SEM-IV (REG)

### Subject: Database Management System ||UM04CBBS09

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Date: 22/04/2016, Friday
Time: 10:30 AM to 12:30 PM

Marks: 60

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Note: 1) Figure to the right hand side of the question indicate their marks.

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| Q.1[A] | Explain **advantage and disadvantage of DBMS**. | [08] |
| [B] | Write a short note on **organization Database Management System** | [07] |

### OR

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|---|---|---|
| Q.1[A] | Define : <br> 1)Data     2) Information     3)Field     4)Database file | [08] |
| [B] | Write a short note on **Database Life Cycle**. | [07] |

| | | |
|---|---|---|
| Q.2[A] | Explain the **Relational Model** with its advantages & disadvantages. | [08] |
| [B] | What is **Normalization**? Explain the **1-NF and 2-NF** with example. | [07] |

### OR

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|---|---|---|
| Q.2[A] | Differentiate between **DBMS and RDBMS**. | [08] |
| [B] | List out **Dr.E.F Codd** rules. Explain any six of them in details. | [07] |

| | | |
|---|---|---|
| Q.3[A] | Explain Following Command with suitable example. <br> 1)Create           2) Insert | [08] |
| [B] | Write a short note on **Data Type** supported in SQL. | [07] |

### OR

| | | |
|---|---|---|
| Q.3[A] | Explain UNIQUE and NOT NULL Constrains with its Syntax and Example. | [08] |
| [B] | Explain the ALTER TABLE command to ADD and Modify columns with proper syntax, use, and example. | [07] |

| | | |
|---|---|---|
| Q.4[A] | Explain the following functions with proper syntax and example. <br> 1)AVG      2)COUNT      3) SUM      4)MIN | [08] |
| [B] | What is **Operator**? Explain any two of them in details. | [07] |

### OR

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|---|---|---|
| Q.4[A] | Explain the following functions with proper syntax and example. <br> 1)MAX      2)LOWER      3) INITCAP      4)LENGTH | [08] |
| [B] | Explain **Range Searching and Pattern Matching** with Example. | [07] |

*******Good Luck******