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**SARDAR PATEL UNIVERSITY**  
**EXAMINATION NOVEMBER 2018**  
**T.Y BBA (ITM) SEM –V (3 Year)**

**Subject: Database Management System (UM05CBB109)**

Date: 2/11/2018, Friday

Marks: 60

Time: 10:00 AM TO 12:00 PM

Notes: Figures to the right hand side of the question indicate their marks:

- Q.1[A] Explain Hierarchical and Network Data Model. [08]  
 [B] Write a short note on E-R Diagram. [07]  
 OR
- Q.1[A] Define Normalization. Explain 1-NF and 2-NF with example. [08]  
 [B] What is DBMS? Explain the advantage of DBMS. [07]
- Q.2[A] What is Operator? Explain any two Operators in details. [08]  
 [B] Discuss ALTER TABLE and DROP TABLE with syntax and example. [07]  
 OR
- Q.2[A] Explain Built-in Data-Type of SQL. [08]  
 [B] Discuss CREATE and INSERT statement with syntax and example. [07]
- Q.3[A] Explain following function with example. [08]  
 1) SQRT 2) SUM 3) MIN 4) LOWER  
 [B] Explain Not Null Constraints with proper syntax and example. [07]  
 OR
- Q.3[A] Explain following function with example. [08]  
 1) CONCAT 2) NEXT\_DAY 3) INITCAP 4) AVG  
 [B] Write a note Unique key Constraint with proper syntax and example. [07]
- Q.4[A] Explain Structure of PL/SQL Block with example. [08]  
 [B] What is JOIN? Explain any two types of JOIN with Example. [07]  
 OR
- Q.4[A] What is VIEW? Explain advantages and disadvantages of View. [08]  
 [B] Explain ROLLBACK & COMMIT Command with example. [07]