**Course: Database Administration and Management**

**SAMPLE PAPER**

**Question No 1:** What are stored procedures? What are the advantages of using stored procedures?

**Question No 2:** Suppose a table **student** has an auto-increment field with the name **ID.** Write a stored procedure with the name **nextID**. If the highest value in **ID** column is 3, the stored procedure should return 4 i.e. 3 + 1.

**Question No 3:** What is query optimization? Discuss various methods of optimizing performance of select queries.

**Question No 4 :** How to optimize following query.

SELECT \* FROM CONTACTS WHERE FIRST\_NAME LIKE 'IMR%' OR FATHERS\_NAME LIKE 'IMR%' ;

**Question No 5:** Create a full text search index for the **Name and CountryCode** columns of the **city** table. Use the this index to search for text **‘AFG’**.