University of Sargodha

BS 8th/5th Intake (4th) Term Exam 2024

Subject: **Information Technology**

Paper: **Database Administration & Management (ITCC-406/ITCC-4450)**

Time Allowed: 02:30 Hours   **Maximum Marks: 40**

Note: Objective part is compulsory. Attempt any three questions from subjective part.

Objective Part   (Compulsory)

Q.1. Write short answers of the following in 2-3 lines of each on your answer sheet.   (2*8)
- i.   What are Undo Data Statistics in Oracle?
- ii.   How do you manage tables and users in Oracle?
- iii. What is the purpose of Indexes in Oracle?
- iv.   How do you maintain data integrity using constraints in Oracle?
- v.   Difference between Oracle Net Manager and Oracle Enterprise Manager.
- vi.   Explain Oracle Memory Structures.
- vii. What is System Global Area?
- viii. Elaborate Program Global Area.

Subjective Part   (3*8)

Q.2. What are Initialization Parameters? Differentiate between static and dynamic parameters with example of each.

Q.3. Explain the role and functioning of Oracle Server and Oracle Instance.

Q.4. Differentiate between system privileges and object privileges with example of each.

Q.5. What is database schema? Explain different Schema objects in oracle databases.

Q.6. Discuss backup and recovery strategies in Oracle, including instance and media recovery and configuration of archive log mode.