M.sc.IT Examination October 2015
Semester – IV
Paper No – 13. Paper Name : Advance Database Concepts & Tools
Paper Code : 3602

Time : 2:30 Hours   Marks: 70

Q-1 (A) Define terms: Entity, Attributes and Relationships   [07]
Q-1 (B) Differentiate OLAP and OLTP   [07]
                                    OR
Q-1 (A) Explain Data Mining in terms of Knowledge Data Discovery.   [07]
Q-1 (B) Write a short note on XML Database   [07]

Q-2 (A) Write a Short Note on CURSOR used in PL/SQL   [07]
Q-2 (B) Explain oracle built in functions: CONCAT (), INITCAP (), INSTR (),
            REPLACE ()   [07]
                                    OR
Q-2 (A) Explain looping statement used in PL/SQL.   [07]
Q-2 (B) Explain types of Triggers.   [07]

Q-3 (A) Draw and Explain Oracle process architecture.   [07]
Q-3 (B) Explain: Oracle Database memory structure.   [07]
                                    OR
Q-3 (A) List and define Oracle background processes   [07]
Q-3 (B) Differentiate physical and logical database.   [07]

Q-4 (A) What is Role? Explain various types of roles used in oracle   [07]
Q-4 (B) What is Backup? Explain various types of Backup in Detail   [07]
                                    OR
Q-4 (A) What is SQL * Loader? Explain in detail   [07]
Q-4 (B) What is Recovery? Explain various types of failure and recovery   [07]

Q-5 (A) Explain web Application Server and Web Server.   [07]
Q-5 (B) Write a short note on Database Deployment.   [07]
                                    OR
Q-5 (A) What is Database Access (JDBC)? Explain.   [07]
Q-5 (B) Write a note on DB Access Protocol.   [07]