



GPI-612

Seat No.

B. C. A. (Sem. III) Examination

November/December – 2015

**BCA-302 : Advance Database
Management System**

Time : 3 Hours]

[Total Marks : 70

1 (a) Do as directed : 6

- (i) Give the name of column and value of row in dual table.
- (ii) Explain like with '%' and '_'.
- (iii) Explain differences between count () and count (*) function.

(b) Attempt the following: (Any two) 12

- (i) What is constraint? Explain types of constraints with example.
- (ii) Give the example of set operators and explain all set operators with example.
- (iii) Explain Grant and Revoke command with example.

2 (a) Do as directed : 5

- (i) What is the difference between SQL and PL/SQL?
- (ii) Explain types of indexes with example.

GPI-612]

(b) Attempt the following: (Any Two)

12

- ✓ (i) What is trigger? Explain different types of trigger and give the difference between trigger and procedure.
- ✓ (ii) What is the use of cursor? Explain types of cursor with their attributes and give the example of each.
- (iii) Explain types of exception handling with example.

3 (a) Define the following terms:

6

- (i) Star schema
- (ii) Functional Index
- (iii) Temporal key
- (iv) Bit map Index
- (v) DSS
- (vi) Join Complexity

(b) Attempt the following: (Any Two)

12

- ✓ (i) Write short note on Data Mining.
- ✓ (ii) Explain OLAP in detail. Give the difference between OLAP and OLTP systems.
- ✓ (iii) Explain Data Warehouse and Data Mart.

4 (a) Do as directed:

5

- (i) What is the Deadlock?
- (ii) Define term : Data encryption
- (iii) What is the Commit?
- (iv) Define: Soft Crash
- (v) What is the Atomicity?

(b) Attempt the following: (Any Two)

12

- (i) What is the Distributed database?
Explain twelve objectives of distributed database?
- (ii) What is concurrency? Explain problems associated with concurrency?
- (iii) Explain Two-Phase commit protocol.