



JAH-1652

Seat No. _____

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

November / December – 2012

BCA-302 : Advance Database Management System

Time : 3 Hours]

[Total Marks : 70

- 1** (a) Attempt following : **6**
- (i) What is constraint ? List out all types of constraints.
 - (ii) What do you mean by sub query ?
 - (iii) What is the difference between Count () and Count (*) functions ?
- (b) Attempt following : (any two) **12**
- (i) What do you mean by joins ? Explain different types of joins with examples.
 - (ii) Discuss various set operators with examples.
 - (iii) Explain various date functions with examples.
- 2** (a) Attempt following terms : **5**
- (i) ROWID
 - (ii) Sequence
 - (iii) %NOT FOUND
 - (iv) Row triggers
 - (v) Procedure
- (b) Attempt following : (any two) **12**
- (i) What is view ? Explain different types of views with examples.

- (ii) Discuss explicit cursor with all of its attributes with example.
- (iii) Explain different types of indexes with example.

- 3** (a) Attempt following : **6**
- (i) What is temporal key ?
 - (ii) What do you mean by calculated column.
 - (iii) Define : Star Schema.
- (b) Attempt following : (any two) **12**
- (i) Explain data warehouse and data mart in detail.
 - (ii) Discuss physical design for decision support database.
 - (iii) Explain OLAP with example.
- 4** (a) Attempt following terms : **5**
- (i) Media failure
 - (ii) S lock
 - (iii) Backward recovery
 - (iv) Audit trails
 - (v) Intent locking
- (b) Attempt following : (any two) **12**
- (i) Explain three concurrency problems with example.
 - (ii) Discuss any three objectives of distributed databases.
 - (iii) What is transaction ? Explain ACID properties.
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