

**Bachelor of Computer Applications
Annual Examinations – 2006**

**Paper BCAD – 304
Database Application in MS Access**

Time allowed: Three hours

Maximum Marks: 100

Question one is compulsory.

Fill in the blanks:

1X30=30

1. A _____ is a collection of database that appears an application as a single, local database.
2. _____ is the copying and maintaining of database objects in multiple database of a distributed database system.
3. Shemas _____ organize related database objects.
4. _____ stores fixed length character strings upto 2,000 bytes.
5. _____ is a Oracles Time Related data type.
6. _____ Integrity defines the domain of acceptable values for a column.
7. The primary key of a table ensures its _____ integrity.
8. Database applications can use a _____ view to retrieve corresponding table data , but cannot insert up date , or delete table through a _____ view.
9. The default and the most common type of Index for a Table Column is a _____ Index.
10. In a _____, oracle clusters the related rows of one or more table together in the same data block.
11. PL / SQL is oracle own _____ that can be used to Program a Oracle server.
12. Access is a _____ database.
13. To create a database in Access you create a _____.
14. A report wizard is used to create a _____.
15. Delete Query is used to _____ records.

State True or False.

16. Data dictionary and system catalog are the same things.
17. Referential integrity is sometimes called relation integrity.
18. Foreign key is a second level of entity integrity.
19. we should index every column of the table.
20. A program variable or constant can use only oracle or ANSI | ISO data type.
21. Microsoft Access is used to create and use: (database, spreadsheets, documents)
22. You can create a table using:
(Table View, Design View)
23. You can create a Report using an:
(Auto format, Auto report)
24. For formatting the report easily you can use:

- (Auto format, Auto report)
25. You can create a query using:
(Query Wizard, Table Wizard)
 26. You can delete Table Records using a: (Delete Query, Table Query)
 27. You can append Table Records using an: (Add Query, Append query)
 28. You can create a Table of query using a: (New Table Query, Make Table Query)
 29. Access allows you to have a: (Zero Length field, Null Length field)
 30. What do you understand by relational database?

Attempt any five questions

5X6=30

1. What are the different types of common business application environment for a database server?
2. What is Replication? Discuss in detail.
3. What is the appropriate use of the B-Tree Index?
4. How would you create a form using Auto forms?
5. Describe the process of viewing your report.
6. How would you validate Text in Access?
7. How would you set Default value of field?
8. How would add a Criteria to a query?

Attempt any four questions

4X10=40

1. Discuss the advantage and disadvantage of different data modeling techniques.
2. What are the various types of the update operations on relations?
3. Identify the anomalies in the following database design. Which normal form does this database fall in?

Customer (Name, Address, Item Purchased, Item Cost)
and also convert the design into 3rd Normal form.

4. Discuss in detail.
 - a) SQL
 - b) DDL
 - c) DML
5. Design a database of your friends in MS – Access, With Name, Address, Phone, Date of Birth etc.
6. How can you create a Table of query using a Make – Table Query?