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Seat No. _____

First Year B. C. A. Examination

March / April – 2003

Business Data Processing (BCA-107)

Time : **3** Hours]

[Total Marks : **50**

1 Do as *directed* : (Attempt any **ten**) **10**

- (i) A _____ Access object allows data to be entered in a well presentable manner.
- (ii) The validation rule to enter salary more than Rs.5000 is _____.
- (iii) _____ datatype is used to insert picture in a table.
- (iv) A Foreign key field allows entering null values.
(True / False)
- (v) In batch processing data collection is usually done off line. (True / False)
- (vi) What is the Look up wizard datatype ?
- (vii) What is the use of default value field property ?
- (viii) What is Information ?
- (ix) What is a time sharing system ?
- (x) List the different types of relationships.
- (xi) What is a transaction file ?
- (xii) List any two Sequential Access storage devices.
- (xiii) Give two examples of on-line processing system.

2 (a) Using a diagram explain Data Processing Cycle in detail. **6**

OR

- (a) (i) What is data processing ? Explain the need for data processing. **3**

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[Contd.....

- (ii) List the advantages and disadvantages of Electronic Data Processing. **3**
- 2** (b) List all File operations. Explain sorting and summarizing. **4**
- OR**
- (b) List the different types of files. Explain any two. **4**
- 3** (a) Explain sequential Access file organisation along with its advantages, disadvantages and applications. **5**
- OR**
- 3** (a) Explain Index sequential File organisation along with its advantages, disadvantages and applications. **5**
- (b) Explain Modular Programming. **3**
- OR**
- (b) Differentiate between Multiprocessing and Distributed Data processing. **3**
- (c) Give comparison of all File Organisation Methods. **2**
- OR**
- (c) List advantages and disadvantages of Direct Access file organisation. **2**
- 4** (a) Define the following terms : (any **four**) **4**
- (i) Format field property
- (ii) Primary key
- (iii) Cascade Delete
- (iv) Append Query
- (v) One-to-many relationship
- (vi) Macro.
- (b) Answer the followings : (Attempt any **two**) **6**
- (i) Explain various types of relationships giving examples of each.
- (ii) What are the different types of queries ? Explain any three.

(iii) List all datatypes available in MS-Access. Explain any four.

5 (a) Differentiate between the following : (Attempt any **three**) **6**

(i) Number and Autonumber

(ii) Form and Report

(iii) Design View and Datasheet View.

(iv) Text and Memo

(v) Make Table Query and Append Query.

(b) Design appropriate tables from the given fields. **4**
Assign tables names, data types and specify the field properties. Also specify the relationship between the tables indicating the primary key and foreign key.

Actor_id, Actor-name, add, phone, movie_id, movie_name, director, producer, cost.

OR

(b) Consider an Item-supplier relationship. Design appropriate tables, selecting fields data types and keys to show the relationship. Also mention the type of relationship **4**