



- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labeled diagram wherever necessary.
  3. Avoid vague answers and write answer relevant and specific to questions only.

**Either**

1. a) Explain the use of ADO control in detail. **8**  
b) Explain various ADO object methods in detail. **8**

**OR**

- c) Explain ADO object model in detail. **8**  
d) Define cursor. Explain various types of cursor. **8**

**Either**

2. a) Explain ADO Architecture in detail. **8**  
b) Explain the procedure to find Datacombo control using recordset. **8**

**OR**

- c) Explain the step by step procedure to create ADO Bound control application. **8**  
d) Explain any two DataBound control in detail. **8**

**Either**

3. a) Explain Data Environment designer in detail. **8**  
b) Explain various parts of data report designer in detail. **8**

**OR**

- c) Define data report explain procedure to create a simple data report in detail. **8**  
d) Define command object. Give the procedure to add command object. **8**

**Either**

4. a) Explain Err object in detail with its properties. 8
- b) Explain how to find logical error by executing with trace with suitable example. 8

**OR**

- c) Define Run-time Error Handling. Explain how to trap the program in detail. 8
- d) What is Break Point ? Explain the importance of Break Point in Debugging in detail. 8
5. Solve all the questions.
- a) Explain the concept of locking in ADO. 4
- b) Explain various data control properties in detail. 4
- c) Write a short note on Active - X control. 4
- d) Write a short note on break mode & watch window. 4

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