

<b>Seat No.</b>	
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**B.C.A. (Part - II) (Semester - IV) Examination, April- 2015****DBMS USING MS-ACCESS****Sub. Code : 63405****Day and Date : Tuesday, 21 - 04 - 2015****Total Marks : 80****Time :03.00 p.m. to 06.00 p.m.**

- Instructions :**
- 1) Attempt any five questions .**
  - 2) Figures to the right indicates full marks.**

**Q1) What is normalization? Explain 1NF, 2NF & 3NF with suitable example.[16]**

**Q2) a) Explain the concept of file organization & index sequential file organization. [8]**

**b) Explain the role of DBA. [8]**

**Q3) What is data modeling? Explain different data models with their advantages & limitations. [16]**

**Q4) Explain the fundamental operations in relational algebra in detail. [16]**

**Q5) What is DBMS? Explain layered architecture of DBMS. [16]**

- Q6)** a) Explain the features of MS-Access database management system. [8]  
b) Write steps for data report creation in MS-Access. [8]

- Q7)** a) Explain schema and subschema in DBMS with example. [8]  
b) Explain distributed database system with its advantages and limitations. [8]

- Q8)** Write notes on (Any Two) [16]

- a) Integrity Constraints
- b) DDL commands
- c) Data dictionary

