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SB - 185

Total No. of Pages : 2

**B.C.A. (Part - II) (Semester - IV) (Faculty of Commerce)
Examination, November - 2019**

DBMS Using MS Access (Paper - 403)

Sub. Code : 63405

Day and Date : Tuesday, 19 - 11 - 2019

Total Marks : 80

Time : 03.00 p.m. to 06.00 p.m.

- Instructions :**
- 1) Each question carries 16 marks.
 - 2) Solve any **FOUR** questions from Q.1 to Q.7.
 - 3) Q.8 is compulsory.

- Q1)** a) Draw neat diagram and explain three tier architecture of DBMS. [8]
b) Explain serial and sequential file organization in details. [8]
- Q2)** a) What are the different types of database system? Explain in detail. [8]
b) Draw an ERD for Library Management System. [8]
- Q3)** What is DBMS? Explain advantages and disadvantages of DBMS. [16]
- Q4)** a) Explain DDL commands with its syntax and example. [8]
b) Explain various set operators used in relational algebra. [8]
- Q5)** What is normalization? Explain 1NF, 2NF & 3NF with example. [16]
- Q6)** a) What is constraints? Explain primary key and unique key constraint. [8]
b) Explain different features of MS Access. [8]

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Q7) Create table Employee with appropriate fields and constraints and perform following queries. [16]

- a) Find out the list of employees whose salary is more than 50000.
- b) List out all the departments by ascending order.
- c) List the name of employees from city Nagpur.
- d) List out all employees having birthday in November.

Q8) Write short note on any four :

[16]

- a) Data Dictionary
- b) Foreign Key
- c) Types of File
- d) Data Abstraction
- e) SQL Data types

