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B.C.A. (Part - I) (Semester - II) Examination, 2013**DBMS through MS - Access****Sub. Code : 55811****Day and Date : Tuesday, 07 - 05 - 2013****Total Marks : 100****Time : 11.00 a.m. to 2.00 p.m.****Instructions : 1) Solve any 5 questions.****2) Figures to the right indicate full marks.**

- Q1) a) What is DBMS? Explain the advantages and disadvantages of DBMS. [10]**
b) What is Data independence? Explain with suitable example. [10]
- Q2) a) Compare traditional file management system with DBMS. [10]**
b) State and explain types of database systems. [10]
- Q3) a) Define and explain schema and subschema with example. [10]**
b) Explain file organization in DBMS. [10]
- ♦♦♦♦
- Q4) a) What is meant by data model? Explain different types of data models available in DBMS? [14]**
b) Define Primary key, Candidate key and foreign key. [6]
- Q5) a) What is normalization? Explain different normal forms with examples. [14]**
b) Draw ER diagram for railway reservation system. [6]
- Q6) a) Explain types of relationships with examples. [10]**
b) What is SQL? Explain data types in SQL. [10]

P.T.O.

Q7) a) Following is the description of a system and its information requirements. Identify the important entities and relations. Also draw E-R diagram using standard methods and convert it into relational database schema. A store has different counters managed by different employees. A counter has different items but no two counters have common items. Customers buy from different counters. Only once in a month performance of persons managing counters is evaluated in terms of sales. Items are also reviewed slow moving items are identified. [10]

b) Explain following commands with syntax and example. [10]

- Create table.
- Desc
- Alter table
- Drop table

Q8) Write short notes on. (any four) [4 × 5 = 20]

- DML commands
- Database security
- Functions of DBMS
- Data dictionary
- Data abstraction.



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B.C.A. (Part - II) (Semester - IV)

Examination, October - 2016

DBMS USING MS-ACCESS

Sub. Code :63405

Day and Date : Wednesday, 26 - 10 - 2016

Time : 10.30 a.m. to 1.30 p.m.

Total Marks : 80

- Instructions :
- 1) Solve any 5 questions.
 - 2) Figure to right indicate full marks.

- Q1) a) Explain the Data dictionary in detail. [8]
b) Compare traditional file management system with DBMS. [8]
- Q2) a) What is file? Explain different file organizations. [8]
b) Define and explain schema and subschema with example. [8]
- Q3) What do you mean by normalization? Explain 1NF, 2NF, and 3NF with an example. [16]
- Q4) a) Explain layered architecture of DBMS. [8]
b) What is relational algebra? List and explain fundamental relational algebra operators. [8]
- Q5) a) Define E-R Diagram. Draw E-R diagram for bank deposit accounting system. [8]
b) Explain the role and responsibilities of DBA. [8]

P.T.O.

Q6) a) Create following tables with appropriate constraints and write queries given below.

Employee (emp_no, Emo_name, dept_no, proj_no, salary, dependents)

Department (dept_no, dname, dlocation)

Project (proj_no, pname, plocation, duration) [10]

- i) Compute number of employees working in the project which has highest duration.
- ii) Retrieve the department name and project name which are located at same place.
- iii) Display department wise employee list.
- iv) List the name of employee having highest salary.

b) Explain different types of relationships. [6]

Q7) Define DBMS. Explain the DDL, DML and DCL Commands with its syntax & example. [6]

Q8) Write short notes on. (any 4): [16]

- a) Network Model.
- b) Database security.
- c) Functions of DBMS.
- d) Integrity constraints.
- e) Data abstraction.



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B.C.A. (Part - II) (Semester - IV) Examination, November - 2017
DBMS USING MS-ACCESS (Paper - 403)
Sub. Code : 63405

Day and Date : Wednesday, 08 - 11 - 2017 Total Marks : 80

Time : 02.30 p.m. to 05.30 p.m.

- Instructions :
- 1) Q.No.8 is compulsory.
 - 2) Solve any Four questions from Q.No.1 to Q.No.7.
 - 3) Each question carries 16 marks.

Q1) a) Explain relational and network model with example. [8]

b) Write proper steps to create report using MS-Access. [8]

Q2) What is normalization? Explain various forms of normalization with example. [16]

Q3) a) Explain concept of primary key and foreign key. [8]

b) Explain various operators used in SQL. [8]

Q4) a) What are the advantages of DBMS? [8]

b) Draw diagram and explain architecture of database system. [8]

Q5) a) What are the fundamental operations carried on relational algebra? [8]

b) What is constraint? Explain any three types of constraints with example. [8]

P.T.O.

Q6) What is file? Explain file types in detail.

[16]

Q7) a) Compare file processing system with DBMS.

[8]

b) Explain various SQL data types.

[8]

Q8) Write short answers (Any Four) :

[16]

a) Heap file organization

b) Data abstraction and data independence

c) Centralized database system

d) Features of SQL

e) Alter table statement



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B.C.A. (Faculty of Commerce) (Part -II) (Semester - IV)
Examination, May - 2017

DBMS USING MS-ACCESS

Sub. Code: 63405

Total Marks : 80

Day and Date : Thursday, 04 - 05 - 2017

Time :3.00 p.m. to 6.00 p.m.

- Instructions :**
- 1) Solve any 5 questions.
 - 2) Figures to right indicate full marks.

- Q1) a) What is DBMS? What are advantages and disadvantages of DBMS?[8]**
 b) Write note on Data Independence with example. [8]
- Q2) Explain different file organizations in DBMS. [16]**
- Q3) a) List and explain various data models used for database design. [8]**
 b) Construct E-R diagram for a hospital with a set of patients and medical doctors. (Associate with each patient has various tests and examinations conducted.) [8]
- Q4) a) Explain candidate key, primary key and foreign key. [8]**
 b) Explain following relational algebra operation. [8]
- i) Natural join operation
 - ii) Selection and projection operation.
- Q5) a) Explain following commands with syntax and example. [8]**
- i) Create table
 - ii) Desc
 - iii) Alter table
 - iv) Drop table
- b) List and explain various features of MS-Access. [8]

Q6) a) Create following tables and write SQL queries for following. [10]

Student (Enrno, name, courseId, emailId, cellno)

Course(CourseId, course_nm, duration)

- i) Add a 5 records in tables.
- ii) Find out list of students who have enrolled in "computer" course.
- iii) List name of all courses with their duration.
- iv) List name of all students start with 'a'.

b) Explain different DML commands with syntax and example. [6]

Q7) What is normalization? Explain 1NF, 2NF & 3NF with example. [16]

Q8) Write short notes on (any 4): [16]

- a) Schema and subschema.
- b) DBA.
- c) SQL operators.
- d) Functions of DBMS.
- e) Data dictionary.

EEE

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B.C.A. (Part - II) (Semester - IV) Examination, May - 2018
DBMS USING MS-ACCESS (Paper - 403)

Sub. Code : 63405

Day and Date : Wednesday, 02 - 05 - 2018

Total Marks : 80

Time : 11.00 a.m. to 2.00 p.m.

Instructions : 1) Q.No. 8 is compulsory.

2) Solve any Four questions from QNo-1 to QNo-7.

3) All questions carry 16 marks.

Q1) a) What is normalization? Explain 1 NF, 2NF and 3NF. [8]

b) Explain any four aggregate functions used in SQL. [8]

Q2) What is DBMS? Explain various advantages and disadvantages of DBMS [16]

Q3) a) Explain how tables are created with example. [8]

b) How tables are altered? Give its options with example. [8]

Q4) a) Explain sequential and random access file organization. [8]

b) Describe various data types used in SQL with example. [8]

Q5) a) Explain various set operators used in relational algebra. [8]

b) Explain any two DML statements used in SQL. [8]

P.T.O

Q6) What is data model? Explain types of record based models. [16]

Q7) a) Write proper steps to create a form using MS-Access. [8]

b) Explain select statement with order by clause. [8]

Q8) Write short answers (Any Four) [16]

a) Services provided by DBMS

b) File processing system.

c) Schema and subschema

d) Distributed database system.

e) Foreign key concept.



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B.C.A. (Part - II) (Semester - IV) Examination, April - 2018
ENTREPRENEURSHIP DEVELOPMENT (Paper - 401)

Sub. Code : 63403

Day and Date : Friday, 27 - 04 - 2018

Time : 11.00 a.m. to 02.00 p.m.

Total Marks : 80

- Instructions :
- 1) Question number 8 is compulsory.
 - 2) Attempt any four from question number 1-7
 - 3) Each question carry equal marks.

- Q1) What do you mean by the term entrepreneur? Explain different classifications of Entrepreneur.
- Q2) Define the term 'Entrepreneurship'. Explain different factors stimulating entrepreneurship.
- Q3) What do you understand by the term EDP? Explain the role, objectives & functions of National Institute for Entrepreneurship and small Business Development (NIESBD) and National Institute for Small Industry Extension Training (NISJET).
- Q4) Define the term project and project life cycle. And explain the classification of project.
- Q5) Prepare a project report for starting a Hospital.
- Q6) Explain the theories of Entrepreneurship in details.
- Q7) Explain different problems and measures in Entrepreneurship development.
- Q8) Write short notes (any four)
- a) Entrepreneurship in service Industry.
 - b) Difference between the Entrepreneur and Netpreneur.
 - c) Functions of Entrepreneur.
 - d) Project Management.
 - e) Technical Consultancy Organisations (TCO's)

