

Roll Number		
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A



INDIAN SCHOOL MUSCAT FIRST PERIODIC ASSESSMENT

INFORMATION TECHNOLOGY

CLASS: XII

Sub. Code: 802

Time Allotted: 50 mts

15.04.2019

Max. Marks: 20

GENERAL INSTRUCTION:

All questions are compulsory.

1. The number of attributes in a relation is called the _____ of a relation. 1
 a. Tuple b. Table c. Cardinality d. Degree
2. _____ is used as data type for real numbers. 1
3. Sana has given the following query but she is unable to execute it successfully. Write the correct query after rectifying the error : 1
Select Name, Mark From student Table Where Mark=<20;
4. Define a) Candidate key b) Relation Schema 2
5. Explain any two advantages of databases. 2
6. What is DBMS? Name the four types of users of DBMS. 2
7. What are the actions possible for on delete and on update events while creating table with foreign key constraint? Explain the effects of these actions. 3
8. a. Write the command to create a table **Staff** with members: Staffid (integer – primary key), Name(20 characters), department (20 characters). 3
 b. Write the command to create another table **Employee** with members empid(integer- primary key), empname(25characters), Enum(integer- foreign key which derives values from Staffid of table Staff)
9. 5

Table : Book

Book_id	Book name	Author_name	Publisher	Price
C0001	Fast Cook	Lata Kapoor	EPB	355
F0001	The Tears	William Hopkins	First Publisher	650
T0001	Databases	Jim Warren	FPB	350
T0002	Brain works	A.W. Rossaine	TDH	350

Write commands based on the above table :

- a. To show book name, Author name and price of books of publisher EPB.
- b. To display the details of all books whose price is in the range 300 to 700.
- c. To increase the price of all books of First Publisher by 50.
- d. To insert a new record in the table having the following data. 'F0002', 'Thuderbolts',
'Anna Roberts', 'EPB', 750.
- e. To add a new column called Quantity whose data type is integer.

End of the Question Paper

Roll Number		
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B



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GENERAL INSTRUCTIONS:

All questions are compulsory.

1. Variable length strings are represented by which data type from the following? 1
 a. Decimal b. Varchar c. Char d. Integer
2. A row in a table is known as _____. 1
3. Varun has given the following query but he is unable to execute it successfully. Write the correct query after rectifying the error : 1
Select Name, Marks From Student Where Mark=<70
4. Define a) Attribute b) foreign key 2
5. What is RDBMS ? Name the four types of users of DBMS. 2
6. Explain any two advantages of databases. 2
7. a. Write the command to create a table **Manager** with members : Idno (integer – primary key), Name(20 characters), department (20 characters). 3
 b. Write the command to create another table **Employee** with members empid(integer- primary key), empname(25characters), Enum(integer- foreign key which derives values from Idno of table Manager).
8. What are the actions possible for on delete and on update events while creating table with foreign key constraint? Explain the effects of these actions. 3
9. 5

Table : Library

Book_id	Book name	Author_name	Publisher	Price
C0001	Fast Cook	Lata Kapoor	DhanpatRai	355
F0001	The Tears	William Hopkins	First Publisher	650
T0001	Databases	Jim Warren	DhanpatRai	350
T0002	Brain works	A.W. Rossaine	TDH	350

Write commands based on the above table :

- a. To insert a new record in the table having the following data. 'F0002', 'Thuderbolts', 'Anna Roberts', 'EPB', 750.
- b. To add a new column called Quantity whose data type is integer.
- c. To show book name, Author name and price of books of publisher DhanpatRai.
- d. To display the details of all books whose price is in the range 300 to 700.
- e. To increase the price of all books of First Publisher by 100.

End of the Question Paper



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GENERAL INSTRUCTIONS:

All questions are compulsory.

1. Number of rows in a relation are known as. 1
 a. Tuple b. Cardinality c. Attribute d. Degree
2. The set of tuples in a relation is known as _____. 1
3. Samuel has given the following query but he is unable to execute it successfully. Write the correct query after rectifying the error : 1
Select Name, Marks From Student Where Mark=<70
4. Define a) Primary key b) Check constraint 2
5. What is RDBMS ? Name the four types of users of DBMS. 2
6. Explain any two advantages of databases. 2
7. a. Write the command to create a table **Student** with members : Rollno (integer – primary key), Name(20 characters), Class (20 characters). 3
 b. Write the command to create another table **School** with members Schid(integer- primary key), Sname(25characters), StRno(integer- foreign key which derives values from Rollno of table Student)
8. What are the actions possible for on delete and on update events while creating table with foreign key constraint? Explain the effects of these actions. 3
9. 5

Table : School

Book_id	Book name	Author_name	Publisher	Price
C0001	Fast Cook	Lata Kapoor	DhanpatRai	355
F0001	The Tears	William Hopkins	First Publisher	650
T0001	Databases	Jim Warren	DhanpatRai	350
T0002	Brain works	A.W. Rossaine	TDH	350

Write commands based on the above table :

- a. To increase the price of all books of First Publisher by 50.
- b. To add a new column called Quantity whose data type is integer.
- c. To show book_id, Author name and price of books of publisher DhanpatRai.
- d. To insert a new record in the table having the following data. 'F0002', 'Thunderbolts',
'Anna Roberts', 'EPB', 750.
- e. To display the details of all books whose price is in the range 300 to 700.

End of the Question Paper