



Name: SAWAIRA BASHIR Class: XI - A Roll No: 230402
Subject: Computer science Test No: WT-8 Date: _____

A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	Marks Obtained			
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Question no 2:

(i)

Data Integrity

Data integrity means the reliability of data. It is related to the quality of data. It is maintained with the help of integrity constraints. There are two types of integrity:

→ Entity integrity.

→ Referential integrity.

(ii)

Entity integrity

The entity integrity states that any attribute of a primary key cannot contain a null value. It is because the primary key is used to uniquely identify a record in relation.

(iii)

Referential Integrity

The referential integrity states that if a foreign key exist in a relation, the foreign key value must match the primary key value of some tuple in its parent relation. It preserves the defined relationship between relations when records are added or deleted.

(iv)

Synonym

→ A synonym is a type of problem in the relations that occurs when two different names are used for the same attribute.

→ The name of attribute must be same if it exists in two or more relations.

Homonym

→ A homonym is a type of problem in the relations that occurs when the same name is used for two different attributes.

→ Different names must be used for different attributes.

(V)

Redundancy

Redundancy is a type of problem in the relations that occurs when same information is unnecessarily stored in two different ways or forms. Redundancy means duplication of data. It wastes a lot of storage.