Punjab University College of Information Technology (PUCIT)

**Quiz # 1**

Database Systems – (BS-CS Fall 18) – Semester Fall 2020

Time Allowed: 12 Mins. Total Marks: 10

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**Q#1: Choose the best answer by highlighting it** (3)

1. The set of permitted values of an attribute is called the \_\_\_\_domain\_\_\_\_ of that attribute.
2. Domain C. Relation
3. Set D. Schema
4. The data model describing how the data is actually stored is called \_\_ Physical Data Model \_\_\_\_\_.
5. Conceptual Data Model C. Logical or Representational Data Model
6. Internal Data Model D. Physical Data Model
7. The database environment does not have the following component. \_separate files\_
8. Users C. Separate files
9. Database D. Database administrator

Q#2: What is data independence? How it is achieved in database architecture? (3)

Data Independence means the lower impact of change of data in upper level due to any change in lower level.

Data independence is achieved by lowering the data redundancy in the database.

All the data should be connected like in DBMS so that it makes sue the data integrity

Q#3: What is the difference between atomic and composite attribute? (2)

**Atomic attribude**: the attribute which canot be subdivided into futher attributes

For example: phone number, gender

**Composite Attribute:** the attribute which can be subdivided into futher attributes

For example: address

Q#4: What is data integrity? (2)

Data integrity means that data should be consistent or pure. It should be same across the whole data model.

As in database all data is stored at one place connected to each other it ensure data integrity.