



# LGS GROUP OF COLLEGES

A PROJECT OF LAHORE GRAMMAR SCHOOL

Sheet # \_\_\_\_\_

Name: Anam Kashif

Class: 2<sup>nd</sup> Year

Roll No. 230704

Subject: Computer

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A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	Marks Obtained
1				6				11				16				
2				7				12				17				
3				8				13				18				
4				9				14				19				
5				10				15				20				

## SUBJECTIVE TYPE

### SHORT-ANSWERS

#### PART-1

#### Q<sub>2</sub>

#### i) DATA INTEGRITY

Data integrity means the reliability and accuracy of data. It is related with the quality of data. It is maintained with the help of integrity constraints.

#### ii) ENTITY INTEGRITY attribute

Entity integrity states that any value of a primary key cannot contain a null value. ~~It~~ It is because primary key is used to uniquely identify a record in relation. It is not possible to uniquely identify a record in relation if primary keys contain null values.

#### iii) REFERENTIAL INTEGRITY

The referential integrity states that if a foreign key exists in a relation, the foreign key value must match primary key value of some tuple in its parent relation. It ensures the data in both relations is consistent.





iv)

### DIFFERENTIATION

#### Synonym

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

#### Homonym

A homonym is a type of problem in relation that occurs when same names are used for different attributes.

v)

### REDUNDANCY

Redundancy is a type of problem in relation that occurs when the same information is unnecessarily stored in two different ways or forms.

#### Example:

Employee (Employee ID, Date of Birth, Age, Name).