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BS(SE) Section 'A'

Subject: Data Base.

ANSWER NO 1

Part : 1

ID AND Cell Attribute is a Candidate Key.

Part : 2:

Data Integrity:-

Data Integrity is the process of ensuring that data is accurate and consistent over its whole life cycle.

Data Redundancy:-

Data redundancy is a condition that can cause the same piece of data to be stored in multiple places of a data base or a storage device.

Part: 3

A multivalued attribute of an entity is an attribute that can have more than one value associated with the key of the entity.

For Example:

A large company could have many divisions. Some of them possibly in different cities. In this case, division or division-name would be classified as a multivalued attribute of the company entity.

The headquarters-address attribute of the company. On the other hand, would normally be a single valued attribute.

Part: 4

- * Emphasizes the integration and sharing of data throughout the organization.
- * Requires fundamental reorientation of staff through process, starting w/top management.
- * Users typically access only those entities that are necessary to meet their job requirement, resulting in DB scope that is easier to grasp.

- * Enable end users and app programmers to share data, and it enables data to be shared among multiple apps rather than propagated and stored in new files for every new application.
- * Also provide facilities for controlling data access, enforcing data integrity, managing concurrency control and restoring a DB.

Part : 5

MANDATORY ONE:-

it might be possible for agent to make booking that do not involve performers.



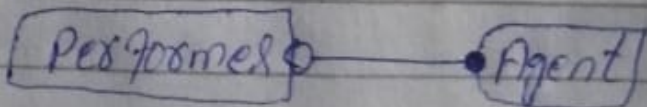
MANDATORY MANY:-

A performer have one or more booking.



OPTIONAL ONE:-

it might be possible for performer to make booking themselves, without using with agent.



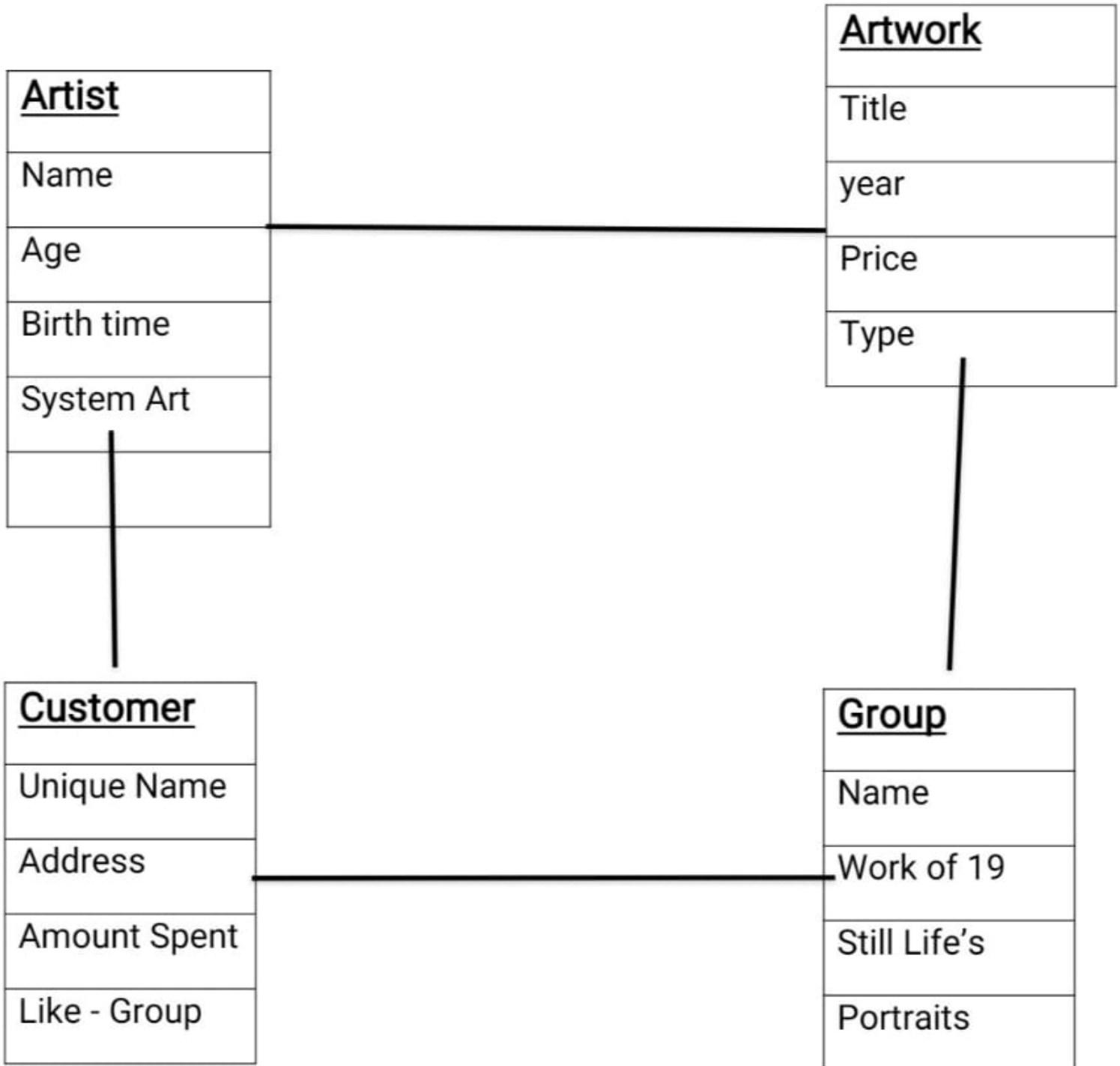
OPTIONAL Manyi.

A performer might have one or more bookings each booking must involve the performer.

Part 6:-

A shared corporate data base must be accurate and available at all time. This requires that comprehensive procedures be developed and used for providing backup copies of data and for restoring database when damage occurs. These considerations have required increased urgency in today's security conscious environment. A modern data base management system normally automates many more of the backup and recovery tasks than a file system.

Question 2



ANSWER NO 3

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	Student
PK	Student ID
	student name
	student address.

	Enrollment
PK, FK	Student ID
PK, FK	Course ID

	Course
PK	Course no
FK	section no

	Seat
PK	section no
FK	Seat position
	student ID

	Class
PK	section no
PK	Course ID
	class date & time
	num-registered