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Remaining Time: 38 minutes, 13 seconds.

Question Completion Status:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
42	43	44	45	46	47	48	49	50	51	52	53	54	55				

- تاريخ الاختبار: ١١ رمضان ١٤٤٢ الموافق لي: ٢٣ أبريل ٢٠٢١ -
- توقيت الاختبار: ١٣:٣٠ - ١٥:٣٠ مع العلم أن فترة الاتاحة هي نفس فترة الاختبار بنفس التوقيت -
- الدرجة القصوى: ٤٠ درجة -
- موضوع الاختبار: الشايتير ٣-٤-٥ -
- نوعية الأسئلة: نظرية متكونة من صح وخطأ / خيارات -
- كل سؤال صح أو خطأ من نصف درجة وكل سؤال خيارات من درجة -
- من الأفضل أن تعتمدون اللغة الانجليزية على البلاك بورد لضمان العرض السليم للأسئلة -
- بالتوازي ساكون موجود في جلسة افتراضية في نفس التوقيت للمساعدة في حال حدوث مشكلة للطالبة -
- في حالة أن الطالب بدأ الاختبار بتأخير بعد الساعة ١٣:٣٠ له ساعتان بطبيعة الحال ولكن يتحمل مسؤوليته كاملة أن حدثت -
- له مشكلة تقنية بعد الساعة ١٥:٣٠

تمناتي لكم بالتوفيق

دكتور وليد

Instructions

Timed Test This test has a time limit of 2 hours. This test will save and submit automatically when the time expires.
Warnings appear when **half the time, 5 minutes, 1 minute, and 30 seconds** remain.

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.

Your answers are saved automatically.

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- ☐ data storage
- ☐ information delivery
- ☐ none of the above

QUESTION 2

1 points

Saved

The control of runway queries is performed in:

- ☐ the data acquisition component
- ☒ the information delivery
- ☐ the data storage
- ☐ the management and control component.

QUESTION 3

1 points

Saved

In independent data marts architectural type, we may have:

- ☐ inconsistent data definitions
- ☐ redundant data
- ☐ redundant processing and standards
- ☒ all of the above is correct

QUESTION 4

1 points

Saved

The following function: (Perform incremental loads at regular prescribed intervals) belongs to the:

- ☐ data extraction
- ☐ data transformation
- ☐ data staging
- ☒ data storage
- ☐ information delivery

QUESTION 5

1 points

Saved

The following function: (Create intermediary files to store selected data to be merged later) belongs to the:

- ☒ data extraction
- ☐ data transformation
- ☐ data staging
- ☐ data storage

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☐ False

QUESTION 7

0.5 points

Saved

In SMP, the availability is unlimited

- ☐ True
☒ False

QUESTION 8

0.5 points

Saved

The operating system in data warehouse must provide security, means that it must be able to protect the environment from application malfunctions.

- ☒ True
☐ False

QUESTION 9

0.5 points

Saved

The operational infrastructure consists of people who are needed for developing the data warehouse.

- ☒ True
☐ False

QUESTION 10

0.5 points

Saved

The operating system and hardware for data warehouse must be scalable

- ☒ True
☐ False

QUESTION 11

0.5 points

Saved

The operating system must be available and reliable

- ☒ True

Remaining Time: 38 minutes, 13 seconds.

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- ☐ True
☒ False

QUESTION 13

0.5 points

Saved

The SMP is the worst parallel processing architecture due to its limited availability

- ☐ True
☒ False

QUESTION 14

0.5 points

Saved

It is not necessary to have a scalable operating system.

- ☐ True
☒ False

QUESTION 15

0.5 points

Saved

It is possible for a task with a higher priority to preempt another task (with a lower priority).

- ☒ True
☐ False

QUESTION 16

1 points

Saved

Memory protection as a criterion of operating system selection means that:

- ☐ The operating system requires a login and password with each access
☒ The operating system prevents one task from violating the memory space of another
☐ The operating system secures the memory continuously
☐ None of the above is correct

Remaining Time: **38 minutes, 13 seconds.**

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QUESTION 18

1 points

Saved

Operational infrastructure consists of:

- ☐ database Software
- ☐ hardware and operating system
- ☒ people

QUESTION 19

1 points

Saved

In database intra-query parallelization:

- ☐ each query is processed serially by a single server processor
- ☐ several server processes handle multiple requests simultaneously
- ☒ none of the above is correct

QUESTION 20

1 points

Saved

People and procedures are needed to:

- ☒ develop data warehouse
- ☐ design the data warehouse
- ☐ keep the data warehouse going

QUESTION 21

1 points

Saved

In operating system selection for a data warehouse, we should take into account:

- ☐ only security
- ☐ only memory protection
- ☐ only preemptive multitasking
- ☒ all of the above

QUESTION 22

1 points

Saved

Among the methods of the inter-query parallelization, we can cite:

- ☒ Horizontal Parallelism

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QUESTION 23

1 points

Saved

In hardware selection for a data warehouse, we should take into account:

- ☐ cost
- ☒ vendor reputation and support
- ☐ scalability and security
- ☐ support and security

QUESTION 24

1 points

Saved

In MPP, the processors

- ☐ share the memory in the same node
- ☒ share-nothing
- ☐ share the disk

QUESTION 25

1 points

Saved

In clusters server hardware, the processors:

- ☐ share the memories of all existing nodes
- ☐ share the disk
- ☒ All of them is correct

QUESTION 26

0.5 points

Saved

Resolve and create primary and foreign keys for load tables belongs to the data staging

- ☒ True
- ☐ False

QUESTION 27

0.5 points

Saved

Provide automated job control services for loading the data warehouse belongs to the data acquisition

- ☐ True
- ☒ False

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QUESTION 29

0.5 points

Saved

The data security is governed by data staging

- ☐ True
- ☒ False

QUESTION 30

0.5 points

Saved

The check for referential integrity belongs to the data transformation

- ☒ True
- ☐ False

QUESTION 31

0.5 points

Saved

Provide backup and recovery for staging area repositories belong to the data storage

- ☐ True
- ☒ False

QUESTION 32

0.5 points

Saved

The data storage is the process of loading the data from the source data into the data warehouse repository

- ☐ True
- ☒ False

QUESTION 33

0.5 points

Saved

Allow users to browse data warehouse content, belongs to the management and control component.

- ☐ True
- ☒ False

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QUESTION 35**0.5 points**

Saved

Store result sets of queries and reports for future use, belongs to the information delivery

- ☒ True
- ☐ False

QUESTION 36**1 points**

Saved

The entity-relationship modeling

- ☒ removes data redundancy
- ☐ captures critical measures
- ☐ is a data warehouse design modeling
- ☐ all of the above is correct

QUESTION 37**1 points**

Saved

The star schema is a data-modeling technique used to map

- ☐ relational database into multidimensional decision support data
- ☐ cube to data mart
- ☒ multidimensional decision support data into relational database
- ☐ multidimensional decision support data into entity relationship diagram

QUESTION 38**1 points**

Saved

Mathematically, the limit of the number of used dimensions is:

- ☐ 5
- ☐ 10
- ☐ 100
- ☒ None of the above is correct

QUESTION 39**1 points**

Saved

The attribute hierarchy is used for

- ☐ only aggregation operations
- ☐ only drill-down/roll-up operations

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equarto.

- ☒ One to Many
- ☐ One to one
- ☐ Many to many
- ☐ None of the above is correct

QUESTION 41

1 points

Saved

A result of a given query in the star schema is produced by combining

- ☐ exactly one dimension table with the fact table
- ☒ one or more dimension tables with the fact table
- ☐ exactly one dimension table with many fact tables
- ☐ one or more dimension tables with many fact tables

QUESTION 42

1 points

Saved

The drill down analysis is performed to get details

- ☒ at the lower levels
- ☐ at the higher levels
- ☐ at the lower or the higher levels
- ☐ at the current level

QUESTION 43

1 points

Saved

Dimensions provide additional perspectives to:

- ☐ their corresponding primary key
- ☒ a given fact
- ☐ to the foreign keys existing in the same dimension table
- ☐ all of the above is correct

QUESTION 44

1 points

Saved

In a dimension table,

- ☒ we have a small number of attributes
- ☐ we have only numeric attributes
- ☐ we have a large number of attributes
- ☐ we have always a normalized data

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QUESTION 46

0.5 points

Saved

A dimension table may be empty, without any attributes in a star schema

- ☒ True
☐ False

QUESTION 47

0.5 points

Saved

The star schema is better than the snowflake schema

- ☐ True
☒ False

QUESTION 48

0.5 points

Saved

The star schema is the best data-modeling technique

- ☐ True
☒ False

QUESTION 49

0.5 points

Saved

The cardinality of the relationship between fact table and dimension table is equal to many to many

- ☐ True
☒ False

QUESTION 50

0.5 points

Saved

In star Schema, factless table only contains primary keys.

- ☐ True
☒ False

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QUESTION 52

0.5 points

Saved

The star schema is not the result of normalizing dimension tables in snowflake schema

- ☒ True
☐ False

QUESTION 53

0.5 points

Saved

The relational database modeling is better than the star schema data-modeling technique

- ☐ True
☒ False

QUESTION 54

0.5 points

Saved

The foreign key in a dimension table is a primary key in the fact table

- ☒ True
☐ False

QUESTION 55

0.5 points

Saved

Facts commonly used in business data analysis are only stored in the fact table

- ☒ True
☐ False

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