



CS614 - Data Warehousing Solved MCQS

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PSMD01

CS614 - Quiz No.3 & 4 (2013 Spring & Fall)

Question # 1 of 10 (Total Marks: 1) Select correct option:

During the development phase we should follow standards for:

Naming Conventions

Calculation

Libraries

All of the given options (Page 307)

Question # 2 of 10 (Total Marks: 1) Select correct option:

As per kimball's approach the second phase of DWH life cycle is:

Project Planning

Requirement definition (Page 299)

Requirement verification

Requirement validation

Question # 3 of 10 (Total Marks: 1) Select correct option:

Bill Inmon argues that requirements are well understood only after

They are documented

They extracted and verified

Data warehouse is populated (Page 285)

All schemes are defined

Question # 4 of 10 (Total Marks: 1) Select correct option:

Waterfall model is appropriate when

When budget is low

When the deadline is strict

When resources are limited

Requirements are clearly defined (Page 284)

Question # 5 of 10 (Total Marks: 1) Select correct option:

A bottom up implementation approach is useful when

Technology is matured and well understood (page 283)

Organization cannot implement latest technologies

The business objectives are very much clear

All requirements are well documented

Question # 6 of 10 (Total Marks: 1) Select correct option:

Technical architecture design specifies the:

Project schedule (Page 300)

Minimum project completion time

Required Components

Umbrella activities

Question # 7 of 10 (Total Marks: 1) Select correct option:

_____ says that as far as company goals are concerned, the entire company pursues in the same direction

Westerman (Page 285)

Bill Inmon

Kimball

Bohnlein

Question # 8 of 10 (Total Marks: 1) Select correct option:

As per Bill Inmon, a data warehouse, in contrast with classical applications is:

Data driven (Page 285)

Resource driven

Requirement driven

Time Sensitive

Question # 9 of 10 (Total Marks: 1) Select correct option:

The _____ phase of fundamental data warehouse life cycle model includes data warehouse scheduled maintenance

Deployment

Operation (Page 288)

Enhancement

Maintenance

Question # 10 of 10 (Total Marks: 1) Select correct option:

Following the coding standards during development helps to:

Minimize the future rework (Page 307)

Verify the requirements

To refine the project scope

To establish the test cases

Question # 1 of 10 (Total Marks: 1) Select correct option:

As per Kimball, _____ is the main operational process

Requirement extraction

Global design

Business process (Page 285)

Scheme design

Question # 2 of 10 (Total Marks: 1) Select correct option:

In _____ phase of a fundamental data warehouse life cycle model, a working model of data warehouse is deployed for a selective set of users

Design

Prototype (Page 287)

Deployment

Operation

Question # 3 of 10 (Total Marks: 1) Select correct option:

Waterfall is a/an _____ model

Iterative

Simple linear sequential (Page 284)

Object oriented

Rapid development

Question # 4 of 10 (Total Marks: 1) Select correct option:

One of the drawbacks of waterfall model is that:

Customers can not review the product during development (Page 284)

It does not work when the resources are limited

It does not define the project timeline/schedule

All of the given options

Question # 5 of 10 (Total Marks: 1) Select correct option:

Spiral model is _____

Sequence of waterfall model

Risk oriented model

An iterative model

All of the given (Page 284)

Question # 6 of 10 (Total Marks: 1) Select correct option:

_____ refers to the overall process of discovering useful knowledge from data and data mining refers to a particular step in this process.

Statistics

Knowledge discovery in database (Page 249)

Clustering

Information cleansing

Question # 7 of 10 (Total Marks: 1) Select correct option:

In data mining, initially you _____ what you are looking for.

Know

Don't Know (Page 250)

May or may not know

None of the given options

Question # 8 of 10 (Total Marks: 1) Select correct option:

In context of the most fundamental data warehouse life cycle model, which of the following is NOT one of the data warehouse design activities?

End-user interviews and re-interviews

Source system cataloguing

Definition of key performance indicators

System vision development (Page 287)

Question # 9 of 10 (Total Marks: 1) Select correct option:

A top down implementation approach is useful when

Technology is matured and well understands (Page 283)

Organization cannot implement latest technologies

The business objectives are very much clear

All requirements are well documented

Question # 10 of 10 (Total Marks: 1) Select correct option:

Which of the following is NOT one of the methodologies for Data Warehouse project development?

Goal Driven

Data Driven

User Driven

System Driven (Page 283)

Question # 1 of 10 (Total Marks: 1) Select correct option:

In context of data mining definition, the term "value" means

The primary key of table

Index location of the record

Importance of hidden patterns discovered (Page 250)

Numerical of string measure assigned to an attribute

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(IEMS) Samundari**

Question # 2 of 10 (Total Marks: 1) Select correct option:

Data mining is all about

Knowledge discovery in database

Finding hidden patterns in data

Finding hidden relations in data

All of the given options (Page 249)

Question # 3 of 10 (Total Marks: 1) Select correct option:

In context of clustering, the term "distance" means

Similarity/dissimilarity of records (Page 272)

The difference between the primary keys of two records

The relation of a record with corresponding record in child table

None of the given options

Question # 4 of 10 (Total Marks: 1) Select correct option:

We should follow a proper _____ cycle to implement a change even if it is smaller one.

Development -> QA -> Production (Page 314)

Production -> QA -> Development

Development -> Production -> QA

Production->Development -> QA

Question # 5 of 10 (Total Marks: 1) Select correct option:

For smooth DWH project implementation, one of the recommendations is to have:

Full time project manager assigned to the project (Page 318)

QA team ready for testing the code

Design of complete project before implementation

Components of complete project before implementation

Question # 6 of 10 (Total Marks: 1) Select correct option:

Normally it is recommended to have

Different servers for development and production environment

Same server for development and production environment

Interference while having different database environments on a single server (Page 313)

All of the given options

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Question # 7 of 10 (Total Marks: 1) Select correct option:

Identify the TRUE statement:

Clustering is unsupervised learning and classification is supervised learning (Page 270)

Clustering is supervised learning and classification is unsupervised learning

Both clustering and classification are unsupervised learning

Both clustering and classification are supervised learning

Question # 8 of 10 (Total Marks: 1) Select correct option:

Mining multi-dimensional databases allow users to:

Categorize the data

Analyze the data

Summarize the data

All of the given options (Page 250)

Question # 1 of 10 (Total Marks: 1) Select correct option:

Technical architecture design supports the communication about technical requirements: I) within the team II) Upward to management III) Outward to vendors

(I) only

(II) Only

(III) Only

(I), (II) and (III) (Page 300)

Question # 2 of 10 (Total Marks: 1) Select correct option:

Improper documentation results the problem(s) like:

Maintenance issue

New developers unable to configure already existing code (Page 314)

Lot of time required for enhancing the code

All of the given options

Question # 3 of 10 (Total Marks: 1) Select correct option:

In Four Cell Quadrant Technique, The quadrant's vertical axis refers to:

Scope

Feasibility

Resources available

The potential impact or value to the business (Page 297)

Question # 4 of 10 (Total Marks: 1) Select correct option:

Which of the following activity executes parallel with all other activities in Kimball's DWH development approach?

Requirement elicitation

Project Planning

Project management (Page 289)

Deployment

Question # 5 of 10 (Total Marks: 1) Select correct option:

“What means what”. The phrase refers to:

Meta data (Page 338)

External data

Transformed data

Internal representations

Question # 6 of 10 (Total Marks: 1) Select correct option:

Which of the following is NOT one of the top-10 mistakes that should be avoided during DWH development?

Not interacting directly with end user

Not being an accommodating person (Page 316)

Isolating IT support people from business users

Training the users with dummy data and considering it success

Question # 7 of 10 (Total Marks: 1) Select correct option:

In _____ phase of kimballs approach, we identify the components needed now and in future.

Requirement definition

Architectural design (Page 300)

Product development

Analytical application development

Question # 8 of 10 (Total Marks: 1) Select correct option:

Which of the following is NOT one of the advantages of changed data capture (CDC) technique?

Flat files are not required

Limited query interface is required for data extraction (Page 152)

No incremental on-line I/O required for log tape

Extraction of changed data occurs immediately

Question # 9 of 10 (Total Marks: 1) Select correct option:

_____ technique requires a separate column to specify the time and date when the last modification was occurred.

CheckMarks

TimeStamps (Page 150)

Just-In-Time

RealTime extraction

Question # 10 of 10 (Total Marks: 1) Select correct option:

Non uniform use of abbreviations, units and values refers to:

Syntactically dirty data (Page 160)

Semantically dirty data

Coverage anomaly

Extraction issue

Question # 1 of 10 (Total Marks: 1) Select correct option:

In Extract, Load, Transform (ELT) process, data transformation _____

Takes place on the data warehouse server

Takes place on a separate transformation server (Page 147)

Depends on the nature of the source database

Does not take place

Question # 2 of 10 (Total Marks: 1) Select correct option:

If one or more records in a relational table do not satisfy one or more integrity constraint, then the data:

Is syntactically dirty

Is semantically dirty (Page 160)

Has Coverage anomaly

Has extraction issue

Question # 3 of 10 (Total Marks: 1) Select correct option:

Which of the following is not a task of Data Transformation?

Conversion

Summarization

Enrichment

Full Data Refresh (Page 135)

Question # 4 of 10 (Total Marks: 1) Select correct option:

Robotic libraries are needed for _____

Cubes

Data marts

Data warehouse (Page 131)

Aggregates

Question # 5 of 10 (Total Marks: 1) Select correct option:

Change Data Capture (CDC) can be challenging task because:

Aggregates don't change in real time

Transformation of extracted data is difficult (Page 149)

Identifying the recently modified data may be difficult

Source systems may not support extraction of changed aggregates

Question # 6 of 10 (Total Marks: 1) Select correct option:

In case of multiple sources for the same data element, we need to prioritize the source systems per element bases, the process is called:

Ranking (Page 143)

Prioritization

Element Selection

Measurement Selection

Question # 7 of 10 (Total Marks: 1) Select correct option:

In context of Change Data Capture (CDC), sometimes a ____ object can be used to store the recently modified data:

Buffer table

Change table (Page 149)

Checkmark table

Change control table

Question # 8 of 10 (Total Marks: 1) Select correct option:

Which of the following is NOT one of the examples of dynamic attributes?

Daily Sale

Date of Birth cnfim not (Page 342)

Air pressure

None of the given options

Question # 9 of 10 (Total Marks: 1) Select correct option:

In context of requirement definition phase of Kimball's DWH development approach, _____ is positioned as a findings review and prioritization meeting.

System analysis

Scope definition

Requirement configuration

Requirements wrap-up presentation (Page 297)

Question # 10 of 10 (Total Marks: 1) Select correct option:

Which of the following activity/activities is/are part of project planning phase in Kimball's DWH development approach?

Obtain resources

Establish the preliminary scope and justification

Assess organization's readiness for a data warehouse initiative

All of the given options (Page 290)

Question # 1 of 10 (Total Marks: 1) Select correct option:

Goal driven approach of data warehouse development was result of _____ work

Bill Inmon

Ralph Kimball

Böhnlein and Ulbrich-vom (Page 285)

Westerman

Question # 2 of 10 (Total Marks: 1) Select correct option:

In contrast to data mining, statistics is _____ driven.

Assumption

Knowledge

human (Page 255)

Database

Question # 3 of 10 (Total Marks: 1) Select correct option:

Suppose the amount of data recorded in an organization is doubled every year. This increase is _____ .

Linear

Quadratic

Exponential (Page 15)

Logarithmic

Question # 4 of 10 (Total Marks: 1) Select correct option:

In context of requirement definition phase in Kimball's DWH development approach, activities like debriefing, documentation, and prioritization are considered to be the part of:

Requirement preplanning

Business requirements collection

Post collection (Page 294)

None of the given options

Question # 5 of 10 (Total Marks: 1) Select correct option:

Users do not care, how advance the front end of your DWH is, what they care is that:

Tables should be properly de-normalized

Proper partitioning technique should be used

At least star or snow flake schema should be implementing

They should get information in timely manner (Page 314)

Question # 6 of 10 (Total Marks: 1) Select correct option:

Which of the following is NOT one of the activities of "Maintenance and Growth" phase in Kimball's DWH development approach?

Education

Technical education

Program Support

Interface Deployment (Page 309)

Question # 7 of 10 (Total Marks: 1) Select correct option:

Which of the following is/are example(s) of static attributes?

Employee Name (Page 342)

Employee Date of Birth

Employee Blood Group

All of the given options

Question # 8 of 10 (Total Marks: 1) Select correct option:

Three parallel tracks in kimbal's DWH development approach converge at _____ Phase

Project planning

Business requirement definition

Deployment (Page 308)

Maintenance and growth

Question # 9 of 10 (Total Marks: 1) Select correct option:

Which of the following is not a technique of "De-Normalization" ?

Pre-joining

Splitting Tables

Adding Redundant Columns

ER Modeling (Page 52)

Question # 10 of 10 (Total Marks: 1) Select correct option:

Which one of the following is not a technique of "Change Data Capture" in currently used Modern Source Systems?

Timestamps

Partitioning

Triggers

Dimensional Modeling (Page 150)

Question # 1 of 10 (Total Marks: 1) Select correct option:

Normally the term "DWH face to the business user" refers to:

Lifecycles technology track

Lifecycle Data track

Lifecycle Analytical Applications track (Page 306)

Lifecycle Maintenance track

Question # 2 of 10 (Total Marks: 1) Select correct option:

An effective user education program includes, among other, the following guideline(s):

Understand the audience, don't overwhelm

Train after delivery of the data and analytic applications

Postpone education, if DWH not ready

All of the given options (Page 308)

Question # 3 of 10 (Total Marks: 1) Select correct option:

In context of analytical applications track, the application development activity can begin after

Database Design is complete (Page 307)

A subset of historical data has been loaded

The data access tools and metadata are installed

All of the given options