



**CS614 - Data Warehousing  
Solved MCQS**

**March 3,2014**

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**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 or string measure assigned to an attribute

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**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

**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

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**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