ITRI621 SU1 Questions

The Data Warehouse Toolkit, Chapter 18, pp 429-441
The Data Warehouse Life-cycle Toolkit, Chapter 8, pp 327-344

1. Explain the following terms/concepts as they are used by Kimball.
   Verduidelik die volgende terme/begrippe soos dit deur Kimball gebruik word

   Bubble chart [2]
   Borrelgrafiek

   Data stewardship [2]
   Datarentmeesterskap

   View (SQL) [3]
   Aansig (SQL)

2. Provide a high-level overview of the dimensional modelling process flow using a diagram. Briefly describe the nature of the process, as well as the steps and the key deliverables.
   Gee ’n hoë-vlak oorsig van die dimensionele modelleringsprosesvloei aan die hand van ’n diagram. Beskryf die aard van die proses kortliks, asook die stappe en die belangrikste aflewerbares. [15]

3. Why is it important to include active data stewardship in the dimensional modelling effort?
   Waarom is dit belangrik om aktiewe data-rentmeesterskap in die dimensionele modelleringspoging in te sluit? [4]

4. Describe the core roles of the dimensional modelling team.
   Beskryf die kernrolle van die dimensionele modelleringspan. [8]

5. What is the role of the business driver or governance steering committee in the dimensional modelling process?
   Wat is die rol van die sakebestuurder of bestuurskomitee in die dimensionele modelleringsproses? [2]

6. Give an example of a typical high-level graphical dimensional design.
   Gee 'n voorbeeld van 'n tipiese hoëvlak grafiese dimensionele ontwerp. [5]

7. Give an example of a typical detail design worksheet for a dimension.
   Gee 'n voorbeeld van 'n tipiese detail ontwerpsigblad vir ‘n dimensie. [15]

8. Describe the process of reviewing and validating the dimensional model with reference to its overall purpose, as well as how reviews differ with different participating groups within an organisation.
   Beskryf die proses van hersiening en validering van die dimensionele model met verwysing na die oorhoofse doel daarvan, asook hoe hersiening verskil met verskillende deelnemende groepe binne 'n organisasie. [12]

9. Name the four most important elements to include in the final design documentation.
   Noem die vier belangrikste elemente om in die finale ontwerpdokumentasie in te sluit. [4]

10. Name 4 general guidelines when designing the physical database.
    Noem 4 algemene riglyne wanneer die fisiese databasis ontwerp word. [4]

11. Draw a diagram of the process to design the physical database.
    Teken ‘n diagram van die proses om die fisiese databasis te ontwerp. [12]

12. Discuss the details to keep in mind when developing system-wide standards for various components of your DW/BI system.
Bespreek die besonderhede om in gedagte te hou wanneer jy stelselwye standaarde vir verskillende komponente van die DW/BI-stelsel ontwikkel. [21]

13. Discuss five aspects regarding database administration to consider when developing the physical database model.
Bespreek vyf aspekte aangaande databasisadministrasie om in ag te neem wanneer die fisiese databasismodel ontwikkel word. [15]

14. Describe the use of four types of processing data stores that are often designed as part of the DW/BI system.
Beskryf die gebruik van vier soorte verwerkingsdatastore wat dikwels ontwerp word as deel van die DP/BI-stelsel. [16]