CS614 - Data Warehousing
Quiz # 2 February 2021
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If found any correction needed do it accordingly

1. Bill Inmon argues that requirements are well understood only after
    a. They are documented
    b. They extracted and verified
    c. Data warehouse is populated page 285
    d. All the schemas are defined
2. Spiral model is _____
    a. Sequence of waterfall model page 284
    b. Risk oriented model
    c. An iterative model
    d. All of the given options
3. Waterfall is a/an _____ model
    a. Iterative
    b. Simple linear sequential page 284
    c. Object oriented
    d. Rapid development
4. An effective user education program includes, among others, the following guideline(s);
    a. Understand the audience, don't overwhelm
    b. Train after delivery of data and analytic applications
    c. Postpone education, if DWH not ready
    d. All of the given options page 308
5. One of the drawbacks of waterfall model is that:
    a. Customers can not review the product during development
    b. It does not work when the resources are limited
    c. It does not define the project timeline/schedule
    d. All of the given options page 284
6. As per Bill Inmon, a data warehouse, in contrast with classical applications is:
    a. Data driven page 285
    b. Resource driven
    c. Requirement driven
    d. Time sensitive

7. Horizontally wide data means:
    a. **Dataset has large no. of attributes page 330**
    b. Dataset has large no. of records
    c. Dataset has attribute skews
    d. Dataset has partitioning skews
8. In context of requirement definition phase of Kimball's DWH development approach, _____ is positioned as a findings review and prioritization meeting.
    a. System analysis
    b. Scope definition
    c. Requirement configuration
    d. **Requirements wrap-up presentation page 297**
9. In analytical application development phase, we follow standards for:
    a. Naming conventions
    b. Standard for calculations
    c. Standard for libraries
    d. **All of the given options page 307**
10. In lifecycle data track, we begin with translating the requirements into dimensional model, which then transforms into _____.
    a. **Physical structure page 290**
    b. Logical structure
    c. Conceptual structure
    d. System structure
11. Technical architecture design supports the communication about technical requirements:
    I. Within the team
    II. Upward to management
    III. Outward to vendors
    a. (I) Only
    b. (II) Only
    c. (III) Only
    d. **(I), (II) and (III) page 300**
12. A top down implementation approach is useful when
    a. **Technology is mature and well understood page 283**
    b. Organization can not implement latest technologies
    c. Business objectives are unclear
    d. Problem to be solved are not well documented

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13. Which of the following is NOT one of the possible pitfalls in DWH Life Cycle & Development?
    a. Not having multiple servers
    b. Low priority OLAP Cube Construction
    c. Improper documentation
    d. None of the given options page 312, 313, 314

14. Goal driven approach of data warehouse development was result of _____ work.
    a. Bill Inmon
    b. Ralph Kimball
    c. Bohnlein and Ulbrich-vom page 285
    d. Westerman

15. Which of the following is/are included in the list of Top-7 key steps for smooth DWH implementation?
    a. Consider handing-off project management
    b. Assign significant resources for ETL
    c. Be a diplomat NOT a technologist
    d. All of the given options page 318, 319

16. A typical cycle of implementing the change in DWH comprises of the sequence:
    a. Production -> QA -> Development
    b. Development -> QA -> Production page 314
    c. Development -> Production-> QA
    d. Production-> Development -> QA

17. In _____ phase of a fundamental data warehouse life cycle model, a working model of data warehouse is deployed for a selective set of users
    a. Design
    b. Prototype page 287
    c. Deployment
    d. Operation

18. 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
    a. Requirement preplanning
    b. Business requirements collection
    c. Post collection page 294
    d. None of the given options

19. Which of the following is NOT one of the three parallel tracks in Kimballs approach?
    a. Lifecycle technology track
    b. Lifecycle data track
    c. Lifecycle analytical applications track
    d. Lifecycle maintenance track page 299

20. Normally the term "DWH face to the business user" refers to:
    a. Lifecycle technology track
    b. Lifecycle data track
    c. Lifecycle analytical applications track page 306
    d. Lifecycle maintenance track

21. In Four Cell Quadrant Technique. The quadrant's vertical axis refers to:
    a. Scope
    b. Feasibility
    c. Resources available
    d. The potential impact or value to the business page 297

22. Improper documentation results the problem(s) like:
    a. Maintenance issue
    b. New developers unable to configure already existing code
    c. Lot of time required for enhancing the code
    d. All of the given options

23. A bottom up implementation approach is useful when
    a. Technology is mature and well understood
    b. Organization can not implement latest technologies
    c. The business objectives are very much clear
    d. All the requirements are well documented page 283

24. As per Kimball, _____ is the main operational process
    a. Requirement extraction
    b. Goal design
    c. Business process page 285
    d. Schema design

25. Which of the following is NOT one of the top-10 mistakes that should be avoided during DWH development?
    a. Not interacting directly with end user
    b. Not being an accommodating person page 316, 317
    c. Isolating IT support people from business users
    d. Training the users with dummy data and considering it success

26. The _____ phase of fundamental data warehouse life cycle model includes data warehouse daily maintenance activities
    a. Deployment
    b. Operation page 288
    c. Enhancement
    d. Maintenance

27. In context of the most fundamental data warehouse life cycle model, which of the following is NOT one of the data warehouse design activities?
    a. End-user interviews and re-interviews
    b. Source system cataloguing
    c. Definition of key performance indicators
    d. System vision development page 287

28. Which of the following is NOT one of the methodologies for Data Warehouse project development?
    a. Goal Driven
    b. Data Driven
    c. User Driven
    d. System Driven page 283

29. In context of analytical applications track, the application development activity can begin after:
    a. Database design is complete
    b. A subset of historical data has been loaded
    c. The data access tools and metadata are installed
    d. All of the given options page 307

30. Waterfall model is appropriate when
    a. When the budget is low
    b. When the deadline is strict
    c. When resources are limited
    d. Requirements are clearly defined page 284

31. Users do not care, how advance the front end of your DWH is, what they care is that:
    a. Tables should be properly Denormalized
    b. Proper partitioning technique should be used
    c. At least star or snowflake schema should be implemented
    d. They should get information in timely manner and the way they want page 314

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32. Which of the following activity executes parallel with all other activities in Kimball's DWH development approach?
    a. Requirement elicitation
    b. Project planning
    c. Project management
    d. Deployment

33. Which of the following is the most ignored step during data warehouse development
    a. The requirement verification
    b. The vision definition
    c. Schema validation
    d. Success criteria development

34. Which of the following is NOT one of the activities of "Maintenance and Growth phase in Kimball's DWH development approach?
    a. Education
    b. Technical Education
    c. Program Support
    d. Interface Deployment page 309

35. In _____ phase of Kimballs approach, we identify the components needed now and in future.
    a. Requirement definition
    b. Architectural design page 300
    c. Product development
    d. Analytical application development

36. Implementation of a data warehouse requires _____ activities
    a. Highly integrated
    b. Loosely integrated
    c. Tightly decoupled
    d. None of the given page 289

37. Which of the following activity/activities is/are part of project planning phase in Kimballs DWH development approach?
    a. Obtain resources
    b. Establish the preliminary scope and justification
    c. Assess organization's readiness for a data warehouse initiative
    d. All of the given options page 290

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

a. Westerman page 285

b. Bill Inmon

c. Kimball

d. Bohnlein

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