

ACTS CDAC Delhi, PG-DBDA March 2022

Practice Set-1 Data Visualization: Analysis & Reporting

1. Business intelligence system provides tools and methodologies to knowledge workers to help them to take_____
 - A. Effective Decision
 - B. Timely Decision
 - C. Both a and b
 - D. Efficient Decision
2. _____ is the outcome of extraction and processing activities carried out on data.
 - A. Knowledge
 - B. Information
 - C. Data
 - D. Wisdom
3. The objective of B.I is
 - A. To support decision-making and complex problem solving.
 - B. To support information gathering.
 - C. To support data collection.
 - D. To support data analysis.
4. Which of the following is not a component of business intelligence analysis cycle?
 - A. Analysis
 - B. Insight
 - C. Decision
 - D. Design
5. In BI Architecture, it is used to gather and integrate the data stored in various primary and secondary sources.
 - A. Data Warehouse
 - B. Datamart
 - C. Data Sources
 - D. Data Explosion
6. Extraction of information and knowledge from data is known as
 - A. Data mining
 - B. Optimisation
 - C. Data exploration
 - D. Data mart

7. Which phases is used for planning of Development of a business intelligence system?
- A. Analysis and Design
 - B. Planning
 - C. Implementation and Control
 - D. Maintenance
8. Decision making process is of _____ phases.
- A. Three
 - B. Five
 - C. Two
 - D. Six
9. Well defined and recurring decision-making procedure is called
- A. Structured
 - B. Semi-structured
 - C. Operational
 - D. Unstructured
10. In _____ approach, a decision maker considers economic, tactical legal, ethical, procedural and political factors.
- A. Absolute rationality approach
 - B. Bounded rationality approach
 - C. Rational approach
 - D. Un-Bounded rationality approach
11. Consider the following statements:
- i. Data mart is a subset of data warehouse.
 - ii. Data marts contain repositories of summarized data collected for analysis on a specific section or unit within an organization.
- A. Only i is correct
 - B. Only ii is correct
 - C. Both are correct
 - D. Both are wrong.
12. In ETL 'E' stands for
- A. External
 - B. Extraction
 - C. Extreme
 - D. Extra-ordinal
13. DSS stands for:
- A. Decision Support System.
 - B. Definition support System

- C. Day-to-day System Support.
- D. Data storage system.

14. _____ represent the real problem situations.

- A. Data
- B. Models
- C. Tools
- D. Information

15. During the _____ phase, additional data conversion occurs to performed to obtain the summaries that will reduce the response time.

- A. Loading.
- B. Extraction.
- C. Transformation
- D. Performance Evaluation.

16. Optimization is:

- A. Determine the best solution. Successful marketing approaches to achieve the optimum outcome.
- B. Un-Successful marketing approaches to achieve the optimum outcome.
- C. Getting the greatest return for the least expenditure of time, effort, manpower.
- D. Determine the Worst solution.

17. _____ measurements express the level of conformity of a given system to the objectives for which it was designed.

- A. Effectiveness
- B. Efficiency
- C. Evaluation
- D. Feedback

18. _____ is the first stage in developing in decision support system.

- A. Analysis
- B. Design
- C. Knowledge Acquisition
- D. Planning

19. Data by itself is not useful unless

- A. It is massive
- B. It is processed to obtain information
- C. It is collected from diverse sources
- D. It is properly stated

20. Decision support systems are used for

- A. Management decision making

- B. Providing tactical information to management
- C. Providing strategic information to management
- D. Better operation of an organization

21. Business intelligence (BI) is a broad category of application programs which includes:

- A. Decision support, Data mining, OLTP
- B. Decision support, Data collection, OLAP
- C. Decision Expert, Data mining, OLAP
- D. Decision support, Data mining, OLAP

22. Decision support systems are used by

- A. Line managers.
- B. Top-level managers.
- C. Middle level managers.
- D. System users

23. Which of following is not phase of decision-making process?

- A. Design
- B. Analysis
- C. Intelligence
- D. Choice

24. _____ is a broad category of applications and technologies for gathering, storing, analyzing, and providing access to data to help enterprise users make better business decisions.

- A. best practice
- B. data mart
- C. business information warehouse
- D. business intelligence

25. Organizations have hierarchical structures because

- A. it is convenient to do so
- B. it is done by every organization
- C. specific responsibilities can be assigned for each level
- D. it provides opportunities for promotions

26. Strategic information is needed for

- A. Day to day operations
- B. Meet government requirements
- C. Long range planning
- D. Short range planning

27. Decision support systems are essential for

- A. Day-to-day operation of an organization.
- B. Providing statutory information.
- C. Top level strategic decision making.
- D. Ensuring that organizations are profitable.

28. Computer information system are most successful in providing information for

- A. Control decisions
- B. Planning decision
- C. Strategic decision
- D. Design decision

29. Close System Cycle defined as

- A. Which is System cycle does not need any output.
- B. Able to modify their own output flows based on feedback.
- C. Able to modify their own output flows based on process.
- D. Able to modify their own output without any process.

30. Information is transformed into _____ to make decisions.

- A. Data
- B. Information
- C. Knowledge
- D. File

31. Mathematical models are developed by

- A. doing mathematical calculation
- B. exploring the relationships with data.
- C. developing mathematical logic
- D. exploiting the relationships among system control variables, parameters and evaluation metrics.

32. BI supports _____ for data.

- A. Files
- B. Data Marts & Data Warehouse.
- C. Data Mining
- D. System database

33. The fourth phase of the BI cycle involves performances measurement_____

- A. Design
- B. Evaluation
- C. Intelligence
- D. Graph

34. _____ technologies enabling factors that have facilitate development of BI with complex organizations

- A. Application
- B. System
- C. business information
- D. Hardware and Software

35. Phases are in Decision making process

- A. Intelligence, Design, Choice, Implementation, Control.
- B. Design, Develop, Apply
- C. Data, Process, Develop, Implement, Control
- D. Search, Sort, Design, Develop, Implement

36. Decisions can be classified into their _____

- A. concept and thoughts
- B. Supply and Demand
- C. Nature and Scope
- D. Techniques

37. Knowledge Management increase in the _____

- A. no. of options considered.
- B. no. of difficulties considered
- C. no. of risks considered
- D. no. of models considered

38. Business intelligence allows making _____ and timely decisions.

- A. Effective
- B. Correct
- C. Right
- D. Beneficiary

39. It is necessary to recognize and accurately spell out the problem in _____ phase in the Cycle of a business intelligence analysis

- A. Analysis
- B. Decision
- C. Insight
- D. Evaluation

40. ETL process consists of Extract, _____ and Load

- A. Translate
- B. Transmit
- C. Track
- D. Transform