

CH 01 - Introduction

Multiple Choice

1. The decisions concerning an organization's goals and future plans are called
- a. financial decisions.
 - b. tactical decisions.
 - c. strategic decisions.
 - d. operational decisions.

ANSWER:

c

RATIONALE:

Strategic decisions involve higher-level issues concerned with the overall direction of the organization.

POINTS:

1

DIFFICULTY:

Easy

REFERENCES:

DECISION MAKING

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS:

Bloom's: Remember

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3/7/2018 10:56 AM

2. Tactical decisions are concerned with
- a. the day-to-day activities of the organization.
 - b. the goals and plans of the organization.
 - c. the domain of operations managers, who are close to the customer.
 - d. how the organization should achieve the goals and objectives set by its strategy.

ANSWER:

d

RATIONALE:

Tactical decisions concern how the organization should achieve the goals and objectives set by its strategy.

POINTS:

1

DIFFICULTY:

Moderate

REFERENCES:

DECISION MAKING

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
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KEYWORDS:

Bloom's: Remember

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3. Picks and Axes Inc. is an Internet-based retail seller of hiking boots and mountaineering gear. The company decides to open retail stores across the major areas of the city to help complement its Internet-based strategy. This activity would be categorized as a(n)

- a. tactical decision.
- b. operational decision.
- c. strategic decision.
- d. financial decision.

ANSWER:

c

RATIONALE:

Strategic decisions involve higher-level issues concerned with the overall direction of the organization. These decisions define the organization's overall goals and aspirations for the future. Strategic decisions are usually the domain of higher-level executives and have a time horizon of three to five years.

POINTS:

1

DIFFICULTY:

Moderate

REFERENCES:

DECISION MAKING

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS:

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4. _____ is the most critical step of the decision-making process.

- a. Choosing an alternative
- b. Identifying and defining the problem
- c. Evaluating the alternatives
- d. Determining the set of alternatives

ANSWER:

b

RATIONALE:

Step 1 of decision making, identifying and defining the problem, is the most critical. Only if the problem is well-defined, with clear metrics of success or failure (step 2), can a proper approach for solving the problem (steps 3 and 4) be devised. Decision making concludes with the choice of an alternative (step 5).

POINTS:

1

DIFFICULTY:

Moderate

REFERENCES:

DECISION MAKING

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

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Bloom's: Understand

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5. Which of the following is not an approach to making decisions?

- a. Tradition
- b. Rules of thumb
- c. Intuition
- d. Guess and check

ANSWER: d

RATIONALE: There are a number of approaches to making decisions: tradition (“We’ve always done it this way”), intuition (“gut feeling”), and rules of thumb (“As the restaurant owner, I schedule twice the number of waiters and cooks on holidays”).

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BUSINESS ANALYTICS DEFINED

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom’s: Understand

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6. Data-driven decision making tends to decrease a firm's

- a. market value.
- b. productivity.
- c. risk.
- d. profit.

ANSWER: c

RATIONALE: Firms guided by data-driven decision making have higher productivity and market value and increased output and profitability.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BUSINESS ANALYTICS DEFINED

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom’s: Understand

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7. Data dashboards are a type of _____ analytics.

- a. predictive
- b. descriptive
- c. prescriptive
- d. decision

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ANSWER: b
RATIONALE: Descriptive analytics encompass the set of techniques that describes what has happened in the past.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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KEYWORDS: Bloom's: Remember
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8. The extraction of information on the number of shipments, how much was included in each shipment, the date each shipment was sent, and so on from the manufacturing plant's database exemplifies

- a. spreadsheet models.
- b. data dashboards.
- c. data mining.
- d. data queries.

ANSWER: d
RATIONALE: A data query is a request for information with certain characteristics from a database.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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9. Corporate-level managers use _____ to summarize sales by region, current inventory levels, and other company-wide metrics all in a single screen.

- a. simulations
- b. crosstabulation
- c. data dashboards
- d. tables

ANSWER: c
RATIONALE: For corporate-level managers, daily data dashboards might summarize sales by region, current inventory levels, and other company-wide metrics.
POINTS: 1

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DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
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10. A forecast that helps direct police officers to areas where crimes are likely to occur based on past data is an example of

- a. predictive analytics.
- b. decision analysis.
- c. prescriptive analytics.
- d. descriptive analytics.

ANSWER: a
RATIONALE: Predictive analytics consists of techniques that use models constructed from past data to predict the future.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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11. Which one of the following is used in predictive analytics?

- a. Data dashboard
- b. Linear regression
- c. Data visualization
- d. Optimization model

ANSWER: b
RATIONALE: Linear regression, time series analysis, some data-mining techniques, and simulation, often referred to as risk analysis, all fall under the banner of predictive analytics.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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NATIONAL STANDARDS: United States - BUSPROG: Analytic
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KEYWORDS: Bloom's: Understand

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12. A retail store owner offers a discount on product A and predicts that the customers would purchase products B and C in addition to product A. Identify the technique used to make such a prediction.

- a. Data query
- b. Simulation
- c. Data mining
- d. Data dashboards

ANSWER: c

RATIONALE: Data mining is a technique used to find patterns or relationships among elements of the data in a large database.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Apply

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13. _____ are used in the pharmaceutical industry to assess the risk of introducing a new drug.

- a. Data dashboards
- b. Charts
- c. Spreadsheet models
- d. Simulations

ANSWER: d

RATIONALE: Simulation involves the use of probability and statistics to construct a computer model to study the impact of uncertainty on a decision.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Apply

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14. Which of the following analytical techniques helps us arrive at the best decision?

- a. Predictive analytics
- b. Data mining
- c. Prescriptive analytics
- d. Descriptive analytics

ANSWER: c

RATIONALE: Prescriptive analytics indicate a best course of action to take; that is, the output of a prescriptive model is a best decision.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Understand

DATE CREATED: 1/23/2018 10:15 AM

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15. Simulation optimization helps

- a. in identifying the constraints of the situation.
- b. to find good decisions in highly complex and highly uncertain settings.
- c. in assigning values to outcomes.
- d. to model certainty using optimization techniques.

ANSWER: b

RATIONALE: Simulation optimization combines the use of probability and statistics to model uncertainty with optimization techniques to find good decisions in highly complex and highly uncertain settings.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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16. When a decision maker is faced with several alternatives and an uncertain set of future events, s/he uses _____ to develop an optimal strategy.

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- a. utility theory
- b. predictive analytics
- c. data mining
- d. decision analysis

ANSWER: d

RATIONALE: The techniques of decision analysis can be used to develop an optimal strategy when a decision maker is faced with several decision alternatives and an uncertain set of future events.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Understand

DATE CREATED: 1/23/2018 10:15 AM

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17. _____ assigns values to outcomes based on the decision maker's attitude toward risk, loss, and other factors.
- a. Simulation optimization
 - b. Utility theory
 - c. Optimization model
 - d. Data dashboard

ANSWER: b

RATIONALE: Decision analysis employs utility theory, which assigns values to outcomes based on the decision maker's attitude toward risk, loss, and other factors.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
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KEYWORDS: Bloom's: Remember

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18. Which of the following best exemplifies big data?
- a. Five hundred Facebook users upload one thousand pictures per day.
 - b. Cellphone owners around the world generate vast amounts of data by calling, texting, tweeting, and browsing the Web on a daily basis.
 - c. A local grocery store collects data from those that scan their loyalty card.

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- d. A pharmacy keeps track of customer purchases to send its customers coupons.

ANSWER: b
RATIONALE: Big data is simply a set of data that cannot be managed, processed, or analyzed with commonly available software in a reasonable amount of time.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: BIG DATA
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Apply
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19. Which of the following sources of big data is not publicly available?
- a. Twitter
 - b. Weather data
 - c. Medical records
 - d. Sports records

ANSWER: c
RATIONALE: While some sources of big data are publicly available (Twitter, weather data, etc.), other sources contain private information. Medical records, bank account information, and credit card transactions, for example, are all highly confidential and must be protected from computer hackers.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: BIG DATA
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Apply
DATE CREATED: 1/23/2018 10:15 AM
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20. Advanced analytics generally refers to
- a. descriptive and prescriptive analytics.
 - b. simulation.
 - c. predictive and prescriptive analytics.
 - d. decision analysis.

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ANSWER: c
RATIONALE: Predictive and prescriptive analytics are sometimes referred to as advanced analytics.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: BUSINESS ANALYTICS IN PRACTICE
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
DATE MODIFIED: 3/28/2018 2:28 PM

21. In the financial sector, _____ are used to construct financial instruments such as derivatives.
- a. descriptive and prescriptive models
 - b. predictive models
 - c. descriptive models
 - d. prescriptive models

ANSWER: b
RATIONALE: Predictive models are used to forecast future financial performance and to construct financial instruments such as derivatives.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: BUSINESS ANALYTICS IN PRACTICE
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Understand
DATE CREATED: 1/23/2018 10:15 AM
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22. Optimization models can be used to
- a. assess the risk of investment portfolios.
 - b. forecast future financial performance.
 - c. successfully manage commercial real estate risk.
 - d. decide on how to invest cash received from insurance policies.

ANSWER: d
RATIONALE: GE Asset Management uses optimization models to decide how to invest its own cash received from insurance policies and other financial products.
POINTS: 1
DIFFICULTY: Moderate

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REFERENCES: BUSINESS ANALYTICS IN PRACTICE
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Understand
DATE CREATED: 1/23/2018 10:15 AM
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23. Utility theory is the study of the _____ or relative desirability of a particular outcome that reflects the decision maker's attitude toward a collection of factors, such as profit, loss, and risk.

- a. total worth
- b. total cost
- c. feasibility
- d. financial wellness

ANSWER: a
RATIONALE: Utility theory is the study of the total worth or relative desirability of a particular outcome that reflects the decision maker's attitude toward a collection of factors, such as profit, loss, and risk.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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24. _____ refers to the technology that allows data, collected from sensors in all types of machines, to be sent over the Internet to repositories where it can be stored and analyzed.

- a. Internet of Things (IoT)
- b. MapReduce
- c. Hadoop
- d. Advanced analytics

ANSWER: a

RATIONALE: Internet of Things (IoT) refers to the technology that allows data, collected from sensors in all types of machines, to be sent over the Internet to repositories where it can be stored and analyzed.

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POINTS: 1
DIFFICULTY: Easy
REFERENCES: BIG DATA
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
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25. _____ refers to a programming model used within Hadoop that performs the two major steps for which it is named: the map step and the reduce step.

- a. MapReduce
- b. Internet of Things (IoT)
- c. Advanced analytics
- d. Optimization model

ANSWER: a
RATIONALE: MapReduce refers to a programming model used within Hadoop that performs the two major steps for which it is named: the map step and the reduce step.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: BIG DATA
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
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26. _____ is an open-source programming environment that supports big data processing through distributed storage and distributed processing on clusters of computers.

- a. Hadoop
- b. Excel
- c. Java
- d. MapReduce

ANSWER: a
RATIONALE: Hadoop is an open-source programming environment that supports big data processing through distributed storage and distributed processing on clusters of computers.
POINTS: 1

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DIFFICULTY: Easy
REFERENCES: BIG DATA
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
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27. _____ analytics are techniques that use models, constructed from past data, to predict the future or to ascertain the impact of one variable on another.

- a. Predictive
- b. Descriptive
- c. Simulation
- d. Prescriptiv
- e

ANSWER: a
RATIONALE: Predictive analytics are techniques that use models, constructed from past data, to predict the future or to ascertain the impact of one variable on another.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
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28. A _____ decision involves higher-level issues and is concerned with the overall direction of the organization, defining the overarching goals and aspirations for the organization's future.

- a. strategic
- b. tactical
- c. intuitive
- d. operational

ANSWER: a
RATIONALE: A strategic decision involves higher-level issues and is concerned with the overall direction of the organization, defining the overarching goals and aspirations for the organization's future.
POINTS: 1
DIFFICULTY: Moderate

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REFERENCES: DECISION MAKING
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
DATE CREATED: 1/23/2018 10:15 AM
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29. A _____ decision is concerned with how the organization should achieve the goals and objectives set by its strategy.
- a. tactical
 - b. strategic
 - c. intuitive
 - d. operational

ANSWER: a
RATIONALE: A tactical decision is concerned with how the organization should achieve the goals and objectives set by its strategy.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: DECISION MAKING
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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30. _____ analytics use techniques that take input data and yield a best course of action.
- a. Prescriptive
 - b. Simulation
 - c. Strategic
 - d. Operational

ANSWER: a
RATIONALE: Predictive analytics uses techniques that take input data and yield a best course of action.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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31. In the spectrum of business analytics, which is the most complex?

- a. Descriptive
- b. Predictive
- c. Prescriptive
- d. Operational

ANSWER: c
RATIONALE: Prescriptive analytics is the most complex in the spectrum of business analytics.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Understand
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32. In order to manage an organization's human resource activities, such as hiring employees, tracking, and influencing employee retention, HR personnel use

- a. descriptive and predictive analytics.
- b. descriptive and prescriptive analytics.
- c. predictive and prescriptive analytics.
- d. predictive analytics.

ANSWER: a
RATIONALE: The HR analytics team uses descriptive and predictive analytics to support employee hiring and to track and influence retention.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Understand

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33. A better understanding of consumer behavior through analytics directly leads to

- a. more profits.
- b. better pricing strategies.
- c. reduced advertising costs.
- d. reduced risk.

ANSWER: b

RATIONALE: A better understanding of consumer behavior through analytics leads to the better use of advertising budgets, more effective pricing strategies, improved forecasting of demand, improved product line management, and increased customer satisfaction and loyalty.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BIG DATA

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Understand

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34. A light bulb manufacturer uses descriptive analytics

- a. to present supply chain to managers visually.
- b. to achieve efficiency in delivery of goods.
- c. to schedule staff and vehicle for delivery.
- d. to plan capacity utilization by incorporating the inherent uncertainty in commodities pricing.

ANSWER: a

RATIONALE: The light bulb manufacturer has successfully used descriptive analytics to present the status of its supply chain to managers visually.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BUSINESS ANALYTICS IN PRACTICE

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Apply

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35. The U.S. Internal Revenue Service uses _____ to identify patterns that distinguish questionable annual personal income tax filings.

- a. utility theory
- b. prescriptive analytics
- c. data mining
- d. decision analysis

ANSWER:

c

RATIONALE:

The U.S. Internal Revenue Service uses data mining to identify patterns that distinguish questionable annual personal income tax filings.

POINTS:

1

DIFFICULTY:

Easy

REFERENCES:

BUSINESS ANALYTICS IN PRACTICE

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS:

Bloom's: Remember

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Subjective Short Answer

36. _____ may be used to develop an optimal strategy when a decision maker is faced with several decision alternatives and an uncertain set of future events.

ANSWER:

Decision analysis

RATIONALE:

Decision analysis is a technique used to develop an optimal strategy when a decision maker is faced with several decision alternatives and an uncertain set of future events.

POINTS:

1

DIFFICULTY:

Moderate

REFERENCES:

BUSINESS ANALYTICS IN PRACTICE

QUESTION TYPE:

Subjective Short Answer

HAS VARIABLES:

False

NATIONAL STANDARDS:

United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS:

Bloom's: Understand

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3/7/2018 1:05 PM

37. An increase in data _____ would help to protect stored data from destructive forces or unauthorized users.

ANSWER:

security

RATIONALE:

Data security helps to protect stored data from destructive forces or unauthorized users.

POINTS:

1

DIFFICULTY:

Moderate

REFERENCES:

BUSINESS ANALYTICS IN PRACTICE

CH 01 - Introduction

QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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38. _____ are analytical tools that describe what has happened.

ANSWER: Descriptive analytics
RATIONALE: Descriptive analytics are analytical tools that describe what has happened.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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39. The use of analytical techniques for better understanding patterns and relationships that exist in large data sets is _____.

ANSWER: data mining
RATIONALE: Data mining is a technique used to find patterns or relationships among elements of the data in a large database.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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40. A dashboard is a collection of tables, charts, and maps to help management _____ selected aspects of the company's performance.

ANSWER: monitor
RATIONALE: A dashboard is a collection of tables, charts, and maps to help management monitor selected aspects of the company's performance.

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POINTS: 1
DIFFICULTY: Moderate
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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41. A decision concerned with how the organization is run from day to day is known as a(n) _____.

ANSWER: operational decision
RATIONALE: An operational decision is a decision concerned with how the organization is run from day to day.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: DECISION MAKING
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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42. A mathematical model that gives the best decision, subject to the situation's constraints, is an a(n) _____.

ANSWER: optimization model
RATIONALE: An optimization model is a mathematical model that gives the best decision, subject to the situation's constraints.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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43. A data _____ is a request to obtain information with certain characteristics from a database.

ANSWER: query

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RATIONALE: A data query is a request to obtain information with certain characteristics from a database.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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44. Business analytics is the _____ process of transforming data into insight for making better decisions.

ANSWER: scientific
RATIONALE: Business analytics is the scientific process of transforming data into insight for making better decisions.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: BUSINESS ANALYTICS DEFINED
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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45. A data _____ is trained in both computer science and statistics and knows how to effectively process and analyze large amounts of data.

ANSWER: scientist
RATIONALE: A data scientist is trained in both computer science and statistics and knows how to effectively process and analyze large amounts of data.
POINTS: 1
DIFFICULTY: Easy
REFERENCES: BIG DATA
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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46. The use of probability and statistics to construct a computer model to study the impact of uncertainty on the decision at hand is called _____.

ANSWER: simulation

RATIONALE: Simulation is the use of probability and statistics to construct a computer model to study the impact of uncertainty on the decision at hand.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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47. Predictive and prescriptive analytics can also be referred to as _____.

ANSWER: advanced analytics

RATIONALE: Advanced analytics generally refers to predictive and prescriptive analytics.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: A CATEGORIZATION OF ANALYTICAL METHODS AND MODELS

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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48. _____ analytics is the analysis of online activity, such as visits to websites or social media.

ANSWER: Web

RATIONALE: Web analytics is the analysis of online activity, such as visits to websites or social media.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: BUSINESS ANALYTICS IN PRACTICE

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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49. One of the 4 Vs of big data that refers to uncertainty due to data inconsistency and incompleteness, ambiguities, latency, deception, and model approximations is _____.

ANSWER: veracity

RATIONALE: Veracity refers to uncertainty due to data inconsistency and incompleteness, ambiguities, latency, deception, and model approximations.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BIG DATA

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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50. Data that are too large or too complex to be handled by standard data-processing techniques and typical desktop software are called _____.

ANSWER: big data

RATIONALE: When data is too large or too complex to be handled by standard data-processing techniques and typical desktop software, this is referred to as big data.

POINTS: 1

DIFFICULTY: Easy

REFERENCES: BIG DATA

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

KEYWORDS: Bloom's: Remember

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51. Veracity has to do with how much _____ is in the data.

ANSWER: uncertainty

RATIONALE: Veracity has to do with how much uncertainty is in the data.

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: BIG DATA

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics

CH 01 - Introduction

KEYWORDS: Bloom's: Remember
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52. What are the four V's of big data?

ANSWER: Volume, Velocity, Variety, Veracity
RATIONALE: The four V's of big data are volume, velocity, variety, and veracity.
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: BIG DATA
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
NATIONAL STANDARDS: United States - BUSPROG: Analytic
United States - DISC: - Descriptive Statistics
KEYWORDS: Bloom's: Remember
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