Quality and Performance Excellence 8th edition Evans Test Bank

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CHAPTER 02—Frameworks for Quality and Performance Excellence

1. Deming provided a clear and precise definition of quality.
   a. True
   b. False

   ANSWER: False
   DIFFICULTY: Difficulty: Easy
   ACCREDITING STANDARDS: BUSPROG: Analytic
   DISC: Operations Management
   TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
   KEYWORDS: Bloom's: Knowledge

2. According to Deming's philosophy, a bad batch of material purchased from a supplier is an example of a common cause of variation.
   a. True
   b. False

   ANSWER: False
   DIFFICULTY: Difficulty: Easy
   ACCREDITING STANDARDS: BUSPROG: Analytic
   DISC: Operations Management
   TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
   KEYWORDS: Bloom's: Knowledge

3. A system governed only by common causes is stable and its performance can be predicted.
   a. True
   b. False

   ANSWER: True
   DIFFICULTY: Difficulty: Easy
   ACCREDITING STANDARDS: BUSPROG: Analytic
   DISC: Operations Management
   TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
   KEYWORDS: Bloom's: Knowledge

4. Special causes disrupt the predictable pattern of a system.
   a. True
   b. False

   ANSWER: True
   DIFFICULTY: Difficulty: Easy
   ACCREDITING STANDARDS: BUSPROG: Analytic
   DISC: Operations Management
   TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
   KEYWORDS: Bloom's: Knowledge

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5. In Deming's view, variation is the chief culprit of poor quality.
   a. True
   b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

6. Juran advocates the accounting and analysis of quality costs to focus attention on quality problems.
   a. True
   b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

7. According to Crosby's Absolutes of Quality Management, quality means conformance to elegance, not requirements.
   a. True
   b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

8. Crosby placed more emphasis on management and organizational processes for changing corporate culture and attitudes than on the use of statistical techniques.
   a. True
   b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

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9. The Deming Award recognizes U.S. companies that excel in quality management practice and performance.
   a. True
   b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

10. The Baldrige Criteria for performance excellence consist of a non-hierarchical set of categories, items, and areas to address.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

11. In the Baldrige award evaluation process, to help examiners understand the context of the organization, applicants are required to provide a Performance Profile, which is basically a snapshot of the organization that describes the organizational environment.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

12. Deployment refers to the extent to which an approach is applied to all requirements of the item.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

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13. Sustainability refers to an organization's ability to address current business needs and to have the agility and strategic management to prepare successfully for the future.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

14. The 10 major categories of the Deming prize are further divided into "checking points."
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
KEYWORDS:	Bloom's: Knowledge

15. For companies that apply for the Deming prize but do not qualify, the examination process is automatically extended up to two times over three years.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
KEYWORDS:	Bloom's: Knowledge

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16. In the additional awards given by the European Foundation for Quality Management, Recognized for Excellence is given for organizations that are at the beginning of the journey to excellence.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
KEYWORDS:	Bloom's: Knowledge

17. Enablers are the means by which an organization approaches its business responsibilities.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
KEYWORDS:	Bloom's: Knowledge

18. The American National Standards Institute (ANSI) has adopted ISO standards in the United States.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.04 ISO 9000:2000
KEYWORDS:	Bloom's: Knowledge

19. The ISO 9004:2009 document includes the fundamentals and vocabulary of the ISO standards.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.04 ISO 9000:2000
KEYWORDS:	Bloom's: Knowledge

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20. ISO 9001:2008 provides a structure for a basic QMS and is intended to demonstrate compliance with recognized quality principles to customers and for third-party certification.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.04 ISO 9000:2000
KEYWORDS:	Bloom's: Knowledge

21. The concept of Six Sigma is facilitated through use of basic and advanced quality improvement and control tools by teams whose members are trained to provide fact-based decision-making information.
    a. True
    b. False

ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

22. The origin of the term Six Sigma came from a statistical measure that equates to 6.4 or fewer errors or defects per million opportunities.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

23. Google pioneered the concept of Six Sigma as an approach to measuring product and service quality.
    a. True
    b. False

ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

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24. Six Sigma is based largely on worker empowerment and teams; TQ is owned by business leader champions.
    a. True
    b. False

    ANSWER: False
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

25. Six Sigma applies to manufacturing processes as well as to services.
    a. True
    b. False

    ANSWER: True
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

26. TQ activities generally occur within a function, process, or individual workplace; Six Sigma projects are truly cross-functional.
    a. True
    b. False

    ANSWER: True
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

27. The Baldrige Criteria for Performance Excellence focuses on product and service conformity for guaranteeing equity in the marketplace and concentrates on fixing quality system problems and product and service nonconformities.
    a. True
    b. False

    ANSWER: False
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.06 Comparing Baldrige, ISO 9000, and Six Sigma
    KEYWORDS: Bloom's: Knowledge

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28. ISO 9000 focuses on performance excellence for the entire organization in an overall management framework.
    a. True
    b. False

    ANSWER: False
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.06 Comparing Baldrige, ISO 9000, and Six Sigma
    KEYWORDS: Bloom's: Knowledge

29. Although the 2000 revision of ISO 9000 incorporated many of the Baldrige criteria's original principles, it still is not a comprehensive business performance framework.
    a. True
    b. False

    ANSWER: True
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.06 Comparing Baldrige, ISO 9000, and Six Sigma
    KEYWORDS: Bloom's: Knowledge

30. Six Sigma involves periodic review of Six Sigma plans and projects, providing champions to sponsor projects, providing training resources, and communicating progress and achievements.
    a. True
    b. False

    ANSWER: True
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.06 Comparing Baldrige, ISO 9000, and Six Sigma
    KEYWORDS: Bloom's: Knowledge

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31. Deming summarized his philosophy of quality and management in what he called _____.
    a. steps to total quality.
    b. basic elements of improvement.
    c. absolutes of quality management.
    d. a system of profound knowledge.

    ANSWER: d
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

32. Deming emphasized that management's job is to:
    a. increase process variance.
    b. control the process indexes.
    c. optimize the system.
    d. give orders and punishments.

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operational Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

33. According to Deming, factors causing variation that are present as a natural part of a process are called:
    a. common causes of variation.
    b. total variances.
    c. assignable causes of variation.
    d. system variances.

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

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34. Variations that result from special causes are called:
    a. common variances.
    b. random variances.
    c. assignable causes.
    d. secondary causes of variation.

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

35. _____ causes of variation arise from external sources that are not inherent in the process.
    a. Special
    b. Unassignable
    c. Common
    d. Non-system

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

36. A system governed only by _____ causes is stable and its performance can be predicted.
    a. special
    b. unique
    c. common
    d. assignable

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

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37. Which of the following is an example of a common cause of variation in a manufacturing process?
    a. Miscalibration of measuring instruments
    b. A poorly trained operator
    c. Variations in the raw material used
    d. Normal wear and tear of machine parts

    ANSWER: d
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

38. In Deming's view, _____ is the chief culprit of poor quality.
    a. long-term planning
    b. variation
    c. macromanagement
    d. an overemphasis on teamwork

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

39. Which of the following is true of Deming's theory of knowledge?
    a. It is advisable to replicate others instead of developing new solutions.
    b. Experiences can be tested and validated.
    c. Asking multiple questions only causes confusion and should be avoided.
    d. Decisions should be driven by facts, data, and justifiable theories.

    ANSWER: d
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

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40. According to Scholtes's understanding of profound knowledge, people don't understand systems when they:
    a. see the causes of the problems but not the symptoms.
    b. see events as individual incidents.
    c. understand the process of change and the resistance to it.
    d. can distinguish between fact and opinion.

    ANSWER: b
    DIFFICULTY: Difficulty: Moderate
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

41. Deming believed that _____ should be the common language across the levels in an organization.
    a. experiences
    b. statistics
    c. reverse engineering
    d. costs

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

42. Juran defines quality as:
    a. fitness for use.
    b. statistics.
    c. process variance.
    d. creativity.

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

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43. Which of the following is one of the four categories of Juran's definition of quality?
    a. Variance
    b. Quality = elegance
    c. Quality of design
    d. Economics of quality

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

44. With respect to Juran's quality trilogy, quality _____ refers to the process for meeting quality goals during operations.
    a. control
    b. variance
    c. improvement
    d. planning

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

45. With respect to Juran's quality trilogy, quality _____ refers to the process for breaking through to unprecedented levels of performance.
    a. improvement
    b. variance
    c. planning
    d. control

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

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46. Which of the following is a part of the quality trilogy of Juran's philosophy?
    a. Quality variance
    b. Quality maintenance
    c. Quality planning
    d. Quality switch

ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

47. According to Juran's quality trilogy, quality _____ begins with identifying customers, both external and internal, determining their needs, and developing product features that respond to customer needs.
    a. planning
    b. variance
    c. matrix
    d. inspection

ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

48. The essence of Crosby's quality philosophy is embodied in what he calls the:
    a. quality chain reaction theory.
    b. the breakthrough sequence.
    c. quality trilogy.
    d. absolutes of quality management.

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

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49. According to Crosby, _____ refers to a performance standard that concentrates on preventing defects rather than just finding and fixing them.
    a. Chi-squared test
    b. Zero Defects
    c. Six Sigma
    d. Linear Effects

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

50. Juran and Deming would argue that it is pointless to exhort a line worker to produce perfection because:
    a. workers are not motivated to improve unless a financial incentive is offered.
    b. the overwhelming majority of imperfections are due to poorly designed manufacturing systems.
    c. it is the supervisor's responsibility to ensure quality through effective quality control.
    d. management systems that are unsupportive of quality initiatives should be reengineered in advance.

    ANSWER: b
    DIFFICULTY: Difficulty: Moderate
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.01 Foundations of Performance Excellence
    KEYWORDS: Bloom's: Knowledge

51. The Baldrige award examination is based upon a rigorous set of criteria called the:
    a. Criteria for Performance Excellence.
    b. Seven points of Superior Quality.
    c. Criteria for Organizational Micromanagement.
    d. Criteria for Organizational Process Variance.

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

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52. Which of the following is a part of the “leadership triad”?
    a. Process variance planning
    b. Strategic planning
    c. Micromanagement
    d. Workforce focus

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

53. Applicants for the Baldrige Award are required to provide a snapshot of the organization that describes the organizational environment, referred to as the organizational:
    a. hierarchy.
    b. chart.
    c. tree.
    d. profile.

    ANSWER: d
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

54. In the context of the factors related to the Baldrige Award evaluation process, _____ refers to the extent to which the approach is applied in addressing item requirements relevant and important to the organization, the approach is applied consistently, and the approach is used (executed) by all appropriate work units.
    a. learning
    b. process variance
    c. deployment
    d. integration

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

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55. In the context of the factors related to the Baldrige Award evaluation process, _____ refers to the extent to which the approach is aligned with organizational needs identified in the Organizational Profile and other process items.
    a. integration
    b. suboptimization
    c. process variance
    d. fluctuation

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

56. With reference to the factors related to the Baldrige Award evaluation process, _____ refers to refining the approach through cycles of evaluation and improvement, encouraging breakthrough change to the approach through innovation, and sharing refinements and innovations with other relevant work units and processes in the organization.
    a. process variance
    b. learning
    c. fluctuation
    d. integrating

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

57. In the Baldrige Award evaluation process, _____ refers to the methods used to accomplish the process, the appropriateness of the methods to the item requirements and the organization's operating environment, the effectiveness of the use of the methods, and the degree to which the approach is repeatable and based on reliable data and information.
    a. deployment
    b. approach
    c. process variance
    d. execution gap

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

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58. _____ refers to an organization's ability to address current business needs and to have the agility and strategic management to prepare successfully for the future, and to prepare for real-time or short-term emergencies.
    a. Conformance
    b. Sustainability
    c. Standardization
    d. Process variance

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

59. According to the Baldrige program, companies with _____ or fewer employees are classified as small businesses.
    a. 500
    b. 300
    c. 200
    d. 800

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.02 The Baldrige Award
    KEYWORDS: Bloom's: Knowledge

60. According to the Union of Japanese Scientists and Engineers, _____ is a system of activities to assure that quality products and services required by customers are economically designed, produced, and supplied while respecting the principle of customer-orientation and the overall public well-being.
    a. Crosby's basic elements of improvement
    b. Deming's 14 points
    c. organizational process variance
    d. Companywide Quality Control

    ANSWER: d
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
    KEYWORDS: Bloom's: Knowledge

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61. With regard to quality management systems, a quality _____ serves as a permanent reference for implementing and maintaining the system.
    a. policy
    b. trilogy
    c. minute book
    d. manual

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

62. With regard to quality management systems, a(n) _____ is a formal document that demonstrates a commitment to achieving high quality and meeting customer expectations.
    a. guidance document
    b. quality trilogy
    c. owner's manual
    d. quality policy

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.03 International Quality and Performance Excellence Award Programs
KEYWORDS:	Bloom's: Knowledge

63. The ISO 9000:2000 standards consist of three documents of which ISO 9001: 2008 pertains to:
    a. fundamentals.
    b. requirements.
    c. guidance for performance improvement.
    d. vocabulary.

ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.04 ISO 9000:2000
KEYWORDS:	Bloom's: Knowledge

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64. With respect to the documents consisted in the ISO 9000:2000 standards, _____ pertains to fundamentals and vocabulary.
    a. ISO 9004: 2009
    b. ISO 9000: 2005
    c. ISO 9002: 2007
    d. ISO 9001: 2008

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.04 ISO 9000: 2000
    KEYWORDS: Bloom's: Knowledge

65. With respect to the documents consisted in the ISO 9000:2000 standards, _____ pertains to guidance for performance improvement.
    a. ISO 9000: 2005
    b. ISO 9001: 2008
    c. ISO 9004: 2009
    d. ISO 9002: 2007

    ANSWER: c
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.04 ISO 9000: 2000
    KEYWORDS: Bloom's: Knowledge

66. Which of the following is true about ISO certification?
    a. The entire company and not individual sites must achieve recertification of the ISO standards.
    b. The ISO 9000 standards originally were intended to be advisory in nature.
    c. Costs of recertification are borne by the company and the certifying firm.
    d. The recertification of ISO 9000 standards is required every two years.

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.04 ISO 9000: 2000
    KEYWORDS: Bloom's: Knowledge

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67. The origin of the term “Six Sigma” came from a statistical measure that equates to _____ or fewer errors or defects per million opportunities.
    a. 4.5
    b. 3.4
    c. 6.8
    d. 2.6

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

68. _____ pioneered the concept of Six Sigma as an approach to measuring product and service quality.
    a. Motorola
    b. Nokia
    c. Google
    d. Apple

    ANSWER: a
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

69. In both manufacturing and nonmanufacturing processes, places where the defective “product” is sent to be reworked or scrapped are referred to as:
    a. recycling units.
    b. hidden factories.
    c. outlier facilities.
    d. outsourcing units.

    ANSWER: b
    DIFFICULTY: Difficulty: Easy
    ACCREDITING STANDARDS: BUSPROG: Analytic
    DISC: Operations Management
    TOPICS: DESC.EVAL.17.02.05 Six Sigma
    KEYWORDS: Bloom's: Knowledge

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70. Six Sigma methodology is driven by a _____ methodology.
    a. management-by-fact
    b. cost-driven
    c. fit-for-use
    d. conformance-to-specifications

ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

71. What is a system? According to Deming, what is the relevance of a system?

ANSWER:	A system is a set of functions or activities within an organization that work together to achieve organizational goals. Deming believed that the aim of any system is for everybody —stockholders, employees, customers, community, the environment— to gain over the long term.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

72. Describe the causes of variation.

ANSWER:	A production process contains many sources of variation. Factors that are present as a natural part of a process are called common causes of variation. Common causes generally account for about 80 to 90 percent of the observed variation in a production process. The remaining 10 to 20 percent result from special causes of variation, often called assignable causes. Special causes arise from external sources that are not inherent in the process.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

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73. What are the two premises of Juran's view on quality?

ANSWER:	Juran views the pursuit of quality on two levels: (1) the mission of the firm as a whole is to achieve high product quality; and (2) the mission of each individual department in the firm is to achieve high production quality.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

74. List Crosby's Absolutes of Management.

ANSWER:	Crosby's Absolutes of Quality Management are as follows: 1) Quality means conformance to requirements not elegance. 2) There is no such thing as a quality problem. 3) There is no such thing as the economics of quality: it is always cheaper to do the job right the first time. 4) The only performance measurement is the cost of quality. 5) The only performance standard is Zero Defects.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.01 Foundations of Performance Excellence
KEYWORDS:	Bloom's: Knowledge

75. Describe the composition of each category in the Baldrige Criteria.

ANSWER:	Each category consists of several items (numbered 1.1, 1.2, 2.1, etc.) or major requirements on which businesses should focus. Each item, in turn, consists of a small number of areas to address (e.g., 6.1a, 6.1b) that seek specific information on approaches used to ensure and improve competitive performance, the deployment of these approaches, or results obtained from such deployment.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

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76. In the Baldrige evaluation process, what is an "Organizational Profile"?

ANSWER:	An organizational profile is basically a snapshot of the organization that describes the organizational environment; key relationships with customers, suppliers, and other partners; types of employees and technologies used; the competitive environment; key strategic challenges it faces; and its system for performance improvement. The Organizational Profile helps the organization focus on key performance requirements and results and helps examiners to understand the organization and what it considers important.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.02 The Baldrige Award
KEYWORDS:	Bloom's: Knowledge

77. Contrast total quality (TQ) and Six Sigma.

ANSWER:	The following are the major differences between TQ and Six Sigma: 1) TQ is based largely on worker empowerment and teams; Six Sigma is owned by business leader champions. 2) TQ activities generally occur within a function, process, or individual workplace; Six Sigma projects are truly cross-functional. 3) TQ training is generally limited to simple improvement tools and concepts; Six Sigma focuses on a more rigorous and advanced set of statistical methods and a structured problem-solving methodology, DMAIC. 4) TQ is focused on improvement with little financial accountability; Six Sigma requires a verifiable return on investment and focus on the bottom line.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

78. List the three key characteristics of Six Sigma projects.

ANSWER:	All Six Sigma projects have three key characteristics: 1) a problem to be solved; 2) a process in which the problem exists; and 3) one or more measures that quantify the gap to be closed and can be used to monitor progress.
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

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79. Provide some examples of the financial applications of Six Sigma.

ANSWER:	Some examples of financial applications of Six Sigma include the following: 1) Reduce the average and variation of days outstanding of accounts receivable. 2) Close the books faster. 3) Improve the accuracy and speed of the audit process. 4) Reduce variation in cash flow. 5) Improve the accuracy of journal entries (most businesses have a 3–4 percent error rate). 6) Improve accuracy and cycle time of standard financial reports.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.05 Six Sigma
KEYWORDS:	Bloom's: Knowledge

80. Compare the three major frameworks for quality systems.

ANSWER:	Baldrige focuses on performance excellence for the entire organization in an overall management framework, identifying and tracking important organizational results; ISO focuses on product and service conformity for guaranteeing equity in the marketplace and concentrates on fixing quality system problems and product and service nonconformities; and Six Sigma concentrates on measuring product quality and driving process improvement and cost savings throughout the organization.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAL.17.02.06 Comparing Baldrige, ISO 9000, and Six Sigma
KEYWORDS:	Bloom's: Knowledge

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