1. Deming laid out a "quality improvement program" for companies such as Ford, GM, and Procter & Gamble, when invited to work with them to improve their quality.

a. True	
b. False	
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge
2. Unlike other management guta. Trueb. False	rus and consultants, Deming defined and described quality precisely.
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy

3. Deming stressed that the highest levels of operational staff in an organization must assume the overriding responsibility for quality management.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

Bloom's: Knowledge

4. Improvements in operations are achieved by reducing the causes and impacts of variation.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

5. Deming emphasized that knowledge is not possible without theory, and experience alone does not establish a theory.

a. True

KEYWORDS:

b. False

ANSWER: True Copyright Cengage Learning. Powered by Cognero.

DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

6. Unlike Deming, however, Juran proposed a major cultural change in the organization, and did not take up improving quality by working within the system familiar to managers.

a. True	
b. False	
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge

7. Juran advocated the use of quality cost accounting and analysis to focus attention on quality problems.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge

8. Juran agreed with Deming's policy which stated that fear can bring out the best in people.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge

9. According to Crosby, quality is judged solely on whether requirements have been met, and nonconformance is the absence of quality.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
Convright Congage Learning, Powere	d by Cognero

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KEYWORDS:	Bloom's: Knowledge
10. Crosby's philosophy demon a. True	strates that quality management practices will not save, but cost money.
b. False	
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge
 Dr. Kaoru Ishikawa, a quali a. True b. False 	ty philosopher, is best known for coining the phrase, "total quality control."
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	
ACCREDITING STANDARDS.	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge
12. A. V. Feigenbaum, a quality a. True	philosopher, promoted the use of quality costs as a measurement and evaluation tool.
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge
	ty philosopher, advocated collecting and analyzing factual data using simple visual tools, work as the foundations for implementing total quality.
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management

14. According to Dr. Ishikawa's philosophy, data with dispersion information are false data.

Bloom's: Knowledge

DESC.EVAB.17.02.04 Other Quality Philosophers

a. True

b. False

TOPICS:

KEYWORDS:

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ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

15. According to Dr. Ishikawa's philosophy, the ideal state of quality control occurs when inspection becomes necessary. a. True

b. False	
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

16. The total quality philosophy was initially based on only one principle—customer focus.

b. FalseANSWER:FalseDIFFICULTY:Difficulty: EasyACCREDITING STANDARDS:BUSPROG: Analytic DISC: Operations ManagementTOPICS:DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality ManagementKEYWORDS:Bloom's: Knowledge	a. True	
DIFFICULTY:Difficulty: EasyACCREDITING STANDARDS:BUSPROG: Analytic DISC: Operations ManagementTOPICS:DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management	b. False	
ACCREDITING STANDARDS: BUSPROG: Analytic DISC: Operations Management DISC: Operations Management TOPICS: DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management	ANSWER:	False
DISC: Operations ManagementTOPICS:DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	
KEYWORDS: Bloom's: Knowledge	TOPICS:	DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management
	KEYWORDS:	Bloom's: Knowledge

17. One of the most important quality management techniques is basic statistics.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management
KEYWORDS:	Bloom's: Knowledge

18. Setting simple goals and targets is one of the practices that are used for implementing leadership as a quality management principle.

a. True	
b. False	
ANSWER:	False
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management

•	
TOPICS:	DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management
KEYWORDS:	Bloom's: Knowledge
a. True	ocess decreases capacity utilization.
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge
20. Variation in a production pra. Trueb. False	ocess makes it easier to find the root cause of the process issues.
ANSWER:	False
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	
ACCREDITING STANDARDS.	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge
21. Common causes of variationa. Trueb. False	n in a production process are a result of the design of the product and production system.
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge
22. Special causes of variation ia. Trueb. False	n a production process arise from internal sources that are inherent in the process.
ANSWER:	False
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge

23. A quality management system represents a specific implementation of quality concepts, standards, methods, and tools, and is unique to an organization.

b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
KEYWORDS:	Bloom's: Knowledge

24. The core of a QMS is focused on creating the goods and services that customers want.

a. True	
b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
KEYWORDS:	Bloom's: Knowledge

25. The ISO 9000:1994 series standards were intended to provide confidence to customers and other stakeholders that quality requirements are being achieved in the delivered product.

a. True

b. False	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
KEYWORDS:	Bloom's: Knowledge

26. The ISO 9001 requirement for audits forces an organization to review its quality system on a routine basis.

a. True

b. Faise	
ANSWER:	True
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
KEYWORDS:	Bloom's: Knowledge

27. Japanese scientists and Engineers established the Deming application prize in 1951 to recognize companies that show a high level of achievement in:

a. variation of production processes.

- b. human resource policies.
- c. developing innovative products.

d. quality practices.

1	
ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge
28. According to Deming, a pro	duct or service possesses quality if:
a. the production process en	ngages more workforce.
b. the cost of the product or	service exceeds its benefit.
c. it enjoys a sustainable ma	arket.
d. it shows variations in its	production process.
ANSWER:	c
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge
29. In Deming's view,is t a. concurrent engineering b. variation	the chief culprit of poor quality.
c. agility of the production	process
d. low level of tolerance in	
ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

30. The ______ theory states that improvements in quality lead to lower costs because they result in less rework, fewer mistakes, fewer delays and snags, and better use of time and materials. Lower costs, in turn, lead to productivity improvements.

- a. Quincunx
- b. Basic Elements of Improvement
- c. Absolutes of Quality Management
- d. Deming Chain Reaction

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

31. According to point one of Deming's 14 points for quality improvement, the responsibility of improving a firm's competitive position lies with _____.

a. top management	
b. suppliers	
c. middle management	
d. employees	
ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

32. A company and the people in the company need to continually renew themselves to take in new approaches and relearn many older ones. This is called _____.

	· · · · · · · · · · · · · · · · · · ·
a. organizational designing	
b. organizational learning	
c. organizational structuring	9
d. organizational engineerir	ng
ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

33. Deming synthesized the underlying foundations of the 14 Points of improving quality into four simple elements which are called:

a. basic elements of improvement.

b. absolutes of quality management.

c. the four steps to total quality control.

d. a system of profound knowledge.

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

34. Which of the following is one of the four elements of Deming's system of profound knowledge?

- a. Quality leadership
- b. Suboptimization
- c. Understanding variation
- d. Modern quality technology

ANSWER:

с

DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

35. A ______ is a set of functions or activities within an organization that work together for the aim of the organization.

a. quincunx	
b. schema	
c. hidden factory	
d. system	
ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

36. Which of the following terms refers to a device that illustrates a natural process of variation?

- a. Hidden factory
- b. Six sigma

c. Quincunx

d. Balanced scorecard

ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

37. According to Peter Scholtes, a noted consultant, when people don't understand systems:

- a. they try to resist the process of change.
- b. they are less likely to distinguish between fact and opinion.
- c. they see the symptoms but not the deep causes of problems.

d. they don't see events as individual incidents but assume it to be the combined result of several independent forces.

ANSWER:	с
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge

38. According to Peter Scholtes, a noted consultant, when people don't understand variation:

a. they see trends where there are none.

- b. they are more likely to distinguish between fact and opinion.
- c. they know when expectations are realistic.
- d. they don't see events as individual incidents.

ANSWER:	a
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
KEYWORDS:	Bloom's: Knowledge
a. Juran made top managen	the difference between Deming's and Juran's quality philosophy? nent commitment an absolute necessity.
	quality by working within the system familiar to managers.
	quality management practices will save, not cost money.
ANSWER:	mperative in the future competitiveness in global markets.
	b Difficulty, Moderate
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge
ner wonds.	Diooni s. Kilowicage
40. In Juran's quality trilogy, tha. quality planning.b. quality control.c. quality improvement.d. quality leadership.	e process of preparing to meet quality goals is called:
ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge
a. quality control. b. quality planning.	e process of meeting quality goals during operations is called:
c. quality leadership.	
d. quality improvement.	
ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy

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KEYWORDS:

42. In Juran's quality trilogy, the process of breaking through to unprecedented levels of performance is called:

 a. quality improvement.

 b. quality control.

 c. quality planning.

 d. quality leadership.

 ANSWER:
 a

 DIFFICULTY:
 Difficulty: Easy

 ACCREDITING STANDARDS:
 BUSPROG: Analytic

 DISC: Operations Management
 DESC.EVAB.17.02.02 The Juran Philosophy

 KEYWORDS:
 Bloom's: Knowledge

43. In accordance with Juran's breakthrough sequence, the path from problem to solution consists of two journeys: the journey from symptom to cause is called:

- a. remedial journey.
- b. diagnostic journey.
- c. continuous improvement.
- d. breakthrough improvement.

ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge

44. According to _____, the only performance measurement is the cost of quality, which is the expense of nonconformance and the only performance standard is "Zero Defects (ZD)."

- a. Ishikawa
- b. Juran
- c. Deming
- d. Crosby

ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	DISC. Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

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

ANSWER: a

DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

46. Which of the following points about Crosby's absolutes of quality management is true?

a. Doing jobs right the first time is expensive.

b. Quality means conformance to elegance, not requirements.

c. The only performance measurement is the cost of quality.

d. The burden of responsibility for solving quality problems falls only on the quality department.

ANSWER:	c
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

47. According to Crosby, _____ is a performance standard which involves concentrating on preventing defects rather than just finding and fixing them.

- a. zero defects
- b. continuous improvement
- c. Baldrige criteria

d. breakthrough improvement

ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

48. Which of the following was one of Crosby's basic elements of improvement?

- a. Agility
- b. Variation
- c. Implementation

d. Suboptimization

ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

49. Which one of the following Crosby's basic elements of improvement means that the top management must take quality improvement seriously?

a. Determination	
b. Variation	
c. Implementation	
d. Suboptimization	
ANSWER:	a
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	•
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge

50. Feigenbaum defined the term ______ as an effective system for integrating the quality development, quality maintenance, and quality improvement efforts of the various groups in an organization so as to enable production and service at the most economical levels which allow full customer satisfaction.

a. absolutes of quality management

b. basic elements of improvement

c. quality trilogy

d. total quality control

1 5	
ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

51. Feigenbaum popularized the term _____, which described the portion of plant capacity wasted due to poor quality.

- a. exponential distributionb. hidden factoryc. quincunxd. quality trilogyANSWER:bDIFFICULTY:Difficulty: EasyACCREDITING STANDARDS:BUSPROG: Analytic
DISC: Operations ManagementTOPICS:DESC.EVAB.17.02.04 Other Quality Philosophers
Bloom's: Knowledge
- 52. Which of the following is one of the key elements of Dr. Ishikawa's quality philosophy?
 - a. Data with dispersion information are false data.
 - b. Personnel management is the entrance and exit of quality.
 - c. Remove the symptoms, not the root cause.
 - d. Quality begins with education and ends with education.

ANSWER: d

DIFFICULTY: Difficulty: Moderate

ACCREDITING STANDARDS: BUSPROG: Analytic

	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

53. Who among the following influenced the development of a participative, bottom-up view of quality, which became the trademark of the Japanese approach to quality management?

a. Joseph Juran	
b. A.V.Feigenbaum	
c. Kaoru Ishikawa	
d. Philip.B.Crosby	
ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

54. Dr. Ishikawa is best known for developing a popular quality improvement tool called _____

J4. DI. ISHIKawa IS UESt KHUWH	Tor developing a popular quanty improvement toor caned
a. u-chart	
b. process capability index	
c. histogram	
d. cause-and-effect diagram	
ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
KEYWORDS:	Bloom's: Knowledge

55. According to the characterization of total quality by James W. Dean, Jr. and David E. Bowen, _____ are considered the foundation of the quality philosophy.

- a. practices
- b. techniques
- c. principles
- d. variations

ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management
KEYWORDS:	Bloom's: Knowledge

56. Which of the following principles supports statistical thinking, a philosophy of learning and action?

a. Variations make it easy to understand root causes in a production process issue.

b. Understanding and increasing variation are keys to success.

c. Variation exists in all processes.	
d. All work occurs in a system of independent processes.	
ANSWER:	c
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge

57. _____ are a result of the design of the product and production system and generally account for about 80 to 95 percent of the observed variation in the output of a production process.

a. Remedial causes of variation

b. Common causes of variation

c. Assignable causes of variation

d. Special causes of variation

-	
ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge

58. The purpose of Deming's ______ experiment is to show that people can and do affect the outcomes of many processes and create unwanted variation by "tampering" with the process, or indiscriminately trying to remove common causes of variation.

a. red beads	
b. hidden factory	
c. quincunx	
d. funnel	
ANSWER:	d
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
KEYWORDS:	Bloom's: Knowledge

59. With regard to quality management systems, _____ is a formal document that demonstrates a commitment to achieving high quality and meeting customer expectations.

a. quality policy
b. quality memorandum
c. quality trilogy
d. quality minute book

ANSWER: a
DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
KEYWORDS:	Bloom's: Knowledge

60. With regard to quality management systems, a quality ______ serves as a permanent reference for implementing and maintaining the system.

maintaining the system.		
a. minute book		
b. manual		
c. policy		
d. trilogy		
ANSWER:	b	
DIFFICULTY:	Difficulty: Easy	
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management	
TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems	
KEYWORDS:	Bloom's: Knowledge	
61. The first point in Deming's this point.	14 points for improving quality is "Create a vision and demonstrate commitment." Expla	iin
ANSWER:	Create a vision and demonstrate commitment is the first point in Deming's 14 points for improving quality. An organization must define its values, mission, and vision of the future to provide long-term direction for its management and employees. Deming believed that businesses should not exist simply for profit; they are social entities whose basic purpose is to serve their customers and employees. To fulfill this purpose, they must take a long-term view, invest in innovation, education, and training, and take responsibility for providing jobs and improving a firm's competitive position. This responsibility lies with top management. Effective leadership begins with commitment, but making a commitment to quality and performance excellence is still difficult for managers. Even when managers have conducted a thorough assessment of their organization and know what they need to change, many do not effectively follow up on opportunities.4 Reasons range from denial to excuses.	e
DIFFICULTY:	Difficulty: Moderate	
ACCREDITING STANDARDS:	•	
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy	
KEYWORDS:	Bloom's: Knowledge	
62. What is a quincunx?		
ANSWER:	A device called a quincunx illustrates a natural process of variation. In a quincunx, sma balls are dropped from a hole in the top and hit a series of pins as they fall toward collection boxes. The pins cause each ball to move randomly to the left or the right as it strikes each pin on its way down.	
DIFFICULTY:	Difficulty: Easy	
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management	
TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy	
KEYWORDS:	Bloom's: Knowledge	
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63. List the steps taken by Japar	nese organizations as a result of Juran's leadership.
ANSWER:	 The steps taken by Japanese organizations as a result of Juran's leadership are: 1. Directing quality from the senior management level 2. Training the entire management hierarchy in quality principles 3. Striving to improve quality at a revolutionary rate 4. Reporting progress on quality goals to executive levels 5. Involving the workforce in quality 6. Revising the reward and recognition structure to include quality
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
KEYWORDS:	Bloom's: Knowledge
64. Describe the similarities in t	he quality improvement philosophies of Deming, Juran, and Crosby.
ANSWER:	Despite their significant differences to implementing organizational change, the philosophies of Deming, Juran, and Crosby are more alike than different. Each views quality as imperative in the future competitiveness in global markets; makes top management commitment an absolute necessity; demonstrates that quality management practices will save, not cost money; places responsibility for quality on management, not the workers; stresses the need for continuous, never-ending improvement; acknowledges the importance of the customer and strong management/worker partnerships; and recognizes the need for and difficulties associated with changing the organizational culture.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
KEYWORDS:	Bloom's: Knowledge
65. Describe the three steps to q ANSWER:	uality which summarize Feigenbaum's quality philosophy. Feigenbaum's philosophy is summarized in his three steps to quality:
	 Quality Leadership: A continuous management emphasis is grounded on sound planning rather than reaction to failures. Management must maintain a constant focus and lead the quality effort. Modern Quality Technology: The traditional quality department cannot resolve 80 percent to 90 percent of quality problems. This task requires the integration of office staff as well as engineers and shop-floor workers in the process who continually evaluate and implement new techniques to satisfy customers in the future. Organizational Commitment: Continuous training and motivation of the entire workforce as well as an integration of quality in business planning indicate the importance of quality and provide the means for including it in all aspects of the firm's activities.
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic BUSPROG: Reflective Thinking DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

66. Identify the contract manufacturer of precision sheet metal and machined components for telecommunications, semiconductor, and medical equipment industries, located in Garland, Texas.

a. Sears	
b. KARLEE	
c. ISO 9001	
d. Crosby	
ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge

67. How does KARLEE provide a vertically integrated range of services that support customers from initial component design to a finished, assembled product? a. Advanced design engineering support

b. No prototype production

c. No manufacturing

d. Lack of value-added assembly

ANSWER:	a
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge

68. Which of the following companies had an annual average increase in sales growth of 35 percent from 1995 to 2000, and high levels of customer and employee satisfaction, and quality and operational performance?

a. Bloomingdale's	
b. Shake Shack	
c. KARLEE	
d. Biltmore hotels	
ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at
	KARLEE
KEYWORDS:	Bloom's: Knowledge

69. Which of the following is NOT one of KARLEE's principles of total quality?

- a. Customer focus
- b. Unobstructed approach

c. Leadership

d. Involvement of people	
ANSWER:	b
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
70. Briefly describe KARLEE's position on leadership.	
ANSWER:	Senior Executive Leaders (SELs) and the KARLEE Leadership Committee (KLC) set the strategic direction of the company, and communicate and reinforce values and expectations through performance reviews, participation in improvement or strategic projects, regular interactions with customers and team members, and recognition of team member achievements.
DIFFICULTY:	Difficulty: Moderate
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
71. How do KARLEE's mutuall	y beneficial supplier relationships work?
ANSWER:	KARLEE selects and develops suppliers that share their commitment to customer satisfaction to ensure they have the materials and services needed to support their customers. Supplier performance issues and expectations are discussed with individual suppliers and presented at the annual Supplier Symposium.
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
improvement, and factual approa. KARLEE code.b. gold standard.c. exemplification of principles	er focus, leadership, involvement of people, process approach, system approach, continual bach are collectively called the: of total quality in its business practices.
d. standards of care.	

ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge

73. List KARLEE's three values).
ANSWER:	The three values adhered to in the KARLEE organization are: a. a systematic approach to business and performance management, b. a desire for long-term partnerships, and c. global leadership.
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
a. technical representative b. agent	r is assigned a(n) that is on call 24 hours a day for day-to-day production issues.
c. three-person customer service d. contact	y team
ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
a. mid-level executives b. the president c. a committee	lirection of the company is set by .
d. SELs (Senior Executive Lead	
ANSWER:	
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at KARLEE
KEYWORDS:	Bloom's: Knowledge
 76. By the end of 2002, all of th a. ISO 9407 b. ISO 9141 c. ISO 9001 d. ISO 9126 	e 32 carry in service centers of sears, Roebuck and Co., were registered to
ANSWER:	c
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality Management

	System	
KEYWORDS:	Bloom's: Knowledge	
77. What was the major hurdle faced by Sears during the implementation of ISO 9001?		
ANSWER:	ISO 9001 implementation played a large role in assisting with process standardization across the company. ISO 9001 is often associated with the manufacturing industry, and one major hurdle Sears had to overcome was communicating the value of a QMS within a retail and service environment.	
DIFFICULTY:	Difficulty: Moderate	
ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management	
TOPICS:	DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality Management System	
KEYWORDS:	Bloom's: Knowledge	

78. Give an example to show that ISO 9001 became a fundamental tool that provides Sears a safe base for continued improvements.

ISO 9001 became a fundamental tool that provides the company a safe base for continued improvements. For example, Sears has made dramatic improvements in calibrating the tools used for repairs and service calls. Although the company had calibrated some of its tools prior to implementing ISO 9001, the standard requires 100-percent tool calibration for safety purposes. Not only does Sears have an expansive program for calibrating its tools, but it has also opened and registered its own calibration lab to ISO/IEC 17025.
Difficulty: Moderate
BUSPROG: Analytic DISC: Operations Management
DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality Management System
Bloom's: Knowledge
at the ISO 9001 implementation has helped Sears' efficiency in completing repairs.
The ISO 9001standard helped Sears' efficiency in completing repairs. For instance, in the Chattanooga, Tennessee, carry-in facility, the average daily completion rate for repairing lawn mowers or other items doubled from four or five to eight or nine per repairman as a result of ISO 9001 implementation.
Difficulty: Easy
BUSPROG: Analytic DISC: Operations Management
DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality Management System
Bloom's: Knowledge

80. With regard to Quality Management System, define recall rate. Explain with an example how the technician recall rate has improved at Sears' because of the quality management system. *ANSWER:* The recall rate is the percentage of times service technicians must return to customers'

The recall rate is the percentage of times service technicians must return to customers' homes for a second time within 30 days. Sears' district office in Houston has improved its technician recall rate because of the QMS.Before the SST, the recall rate in Houston was about 12 percent. In 2004, Houston service technicians made more than a quarter of a million service calls, with a 9.3-percent recall rate. In 2005, the rate dropped to 7.9

	percent.
DIFFICULTY:	Difficulty: Easy
ACCREDITING STANDARDS:	BUSPROG: Analytic
	DISC: Operations Management
TOPICS:	DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality Management
	System
KEYWORDS:	Bloom's: Knowledge