National Testing Agency

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Continuous Quality Improvement Tools and Techniques 26th

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Continuous Quality Improvement Tools and Techniques

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100
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Continuous Quality Improvement Tools and Techniques 1

Section Id: 512452872

Section Number:

Section type: Online
Mandatory or Optional: Mandatory

Number of Questions: 100

Number of Questions to be attempted:100Section Marks:100Mark As Answered Required?:YesSub-Section Number:1

Sub-Section Id: 512452989

Question Shuffling Allowed: Yes

Question Number: 1 Question Id: 51245216814 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

When did the Quality movement begin in Japan?

1.1956

2. 1977

3. 1946

4. 1947

Options:

51245254139.1

51245254140. 2

51245254141. 3

51245254142.4

Question Number: 2 Question Id: 51245216815 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Who said "Quality is Conformance to Requirement and can only be measured by the Cost of Non-conformance"?

- 1. Philip B. Crosby
- 2. Joseph M. Juran
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254143.1

51245254144. 2

51245254145.3

51245254146.4

Question Number: 3 Question Id: 51245216816 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Who said "Quality is defined as Fitness for Use"?

- 1. Joseph M. Juran
- 2. Philip B. Crosby
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254147. 1

51245254148. 2

51245254149.3

51245254150.4

 $Question\ Number: 4\ Question\ Id: 51245216817\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Shu$

Correct Marks: 1 Wrong Marks: 0

Who is known as a father of modern-day statistical quality control?

- 1. Shewhart
- 2. Deming
- 3. Juran
- 4. Crosby

Options:

51245254151.1

51245254152. 2 51245254153. 3 51245254154. 4
Question Number: 5 Question Id: 51245216818 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0
Who said "Quality consists of the capacity to satisfy wants"?
1. Joseph M Juran
2. Edwards Deming
3. Kouru Ishikawa
4. Walter Shewhart
Options:
51245254155. 1
51245254156. 2
51245254157. 3
51245254158. 4
Question Number: 6 Question Id: 51245216819 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0
Continuous Quality Improvement is possible when you the staff.
1. Hire
2. Engage
3. Force
4. Target
Options:

51245254159. 1

51245254160. 2

51245254161.3

Question Number: 7 Question Id: 51245216820 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of the following is/are responsible for the quality objective?

1. Top level management

- 2. Middle level management
- 3. Frontline management
- 4. All of the above

Options:

51245254163.1

51245254164. 2

51245254165.3

51245254166.4

Question Number: 8 Question Id: 51245216821 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

When is root cause analysis required?

- 1. To address non-conformance identified through audits
- 2. When a customer is dissatisfied
- 3. For failing proficiency test reports
- 4. Both options 1 and 3

Options:

51245254167. 1

51245254168. 2

51245254169.3

51245254170.4

Question Number: 9 Question Id: 51245216822 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Pareto Principle was given by-

- 1. Philip B. Crosby
- 2. Joseph M. Juran
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254171.1

51245254172. 2

51245254173.3

51245254174.4

Question Number: 10 Question Id: 51245216823 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Benchmarking creates objective measures of performance that are based on:

- 1. Post performance targets within an organization
- 2. Performance of a competing external organization
- 3. Some external universal performance target established by the industry
- 4. All of the above

Options:

51245254175. 1

51245254176. 2

51245254177.3

51245254178.4

Question Number: 11 Question Id: 51245216824 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

What is/are the method/s of da	ata collection?	?
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- 1. Observation
- 2. One-on-one interviews
- 3. Document Review
- 4. All of the above

Options:

51245254179. 1

51245254180. 2

51245254181.3

51245254182.4

Question Number: 12 Question Id: 51245216825 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The total number of points in Dr W. Edwards Deming's points are ______.

- 1.8
- 2.10
- 3. 15
- 4. 14

Options:

51245254183. 1

51245254184. 2

51245254185.3

51245254186.4

Question Number: 13 Question Id: 51245216826 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who developed the fishbone diagram?

- 1. Kaoru Ishikawa
- 2. Walter Shewhart
- 3. Joseph M. Juran
- 4. W. Edwards Deming

Options:

51245254187. 1

51245254188. 2

51245254189. 3

51245254190.4

 $Question\ Number: 14\ Question\ Id: 51245216827\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Effective CQI does not require:

- 1. Leadership and commitment from management with long-term vision
- 2. Decreased emphasis on inspection
- 3. Increased investment on employee education and training
- 4. Periodic redesign of processes/ services

Options:

51245254191.1

51245254192. 2

51245254193.3

51245254194.4

Question Number: 15 Question Id: 51245216828 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

What is the use of Ishikawa's diagram?

- 1. Identify vital few
- 2. To find the relationship between variables
- 3. To check whether the process is in control
- 4. To identify causes of a problem

Options:

51245254195.1

51245254196. 2

51245254197.3

51245254198.4

Question Number: 16 Question Id: 51245216829 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Improving quality through small, incremental improvements is a characteristic of what type of quality management system?

- 1. Just in time
- 2. Six Sigma
- 3. Total Quality Management
- 4. Kaizen

Options:

51245254199. 1

51245254200. 2

51245254201.3

51245254202.4

Question Number: 17 Question Id: 51245216830 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which of the following is the final step in the Quality Trilogy?

- 1. Quality Control
- 2. Quality planning
- 3. Quality documentation
- 4. Quality Improvement

Options:

51245254203. 1

51245254204. 2

51245254205. 3

51245254206.4

Question Number: 18 Question Id: 51245216831 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

What does PDCA stand for?

- 1. Plan-Do-Check-Act
- 2. Plan-Do-Correct-Act
- 3. Proceed-Do-Check-Act
- 4. Proceed-Do-Correct-Act

Options:

51245254207.1

51245254208. 2

51245254209. 3

51245254210.4

Question Number: 19 Question Id: 51245216832 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which stage in the Shewhart cycle implements the change on a small scale?

- 1. Act stage
- 2. Do stage
- 3. Plan stage
- 4. Check stage

Options:

51245254211.1

51245254212. 2

51245254213.3

51245254214.4

Question Number: 20 Question Id: 51245216833 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of the following is NOT a focus of continuous quality improvement?

- 1. Processes
- 2. Exceeding standards
- 3. Individuals
- 4. Effective Competition

Options:

51245254215.1

51245254216. 2

51245254217. 3

51245254218.4

Question Number: 21 Question Id: 51245216834 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who emphasized on the "Seven Quality Tools"?

- 1. Joseph M. Juran
- 2. Philip B. Crosby
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254219. 1

51245254220. 2

51245254221. 3

51245254222. 4

 $Question\ Number: 22\ Question\ Id: 51245216835\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Of the following quality tools, which would be most useful for identifying a problem that could benefit from a quality improvement strategy?

- 1. Affinity diagram
- 2. Histogram
- 3. Flow chart
- 4. Run chart

Options:

51245254223.1

51245254224. 2

51245254225.3

51245254226.4

Question Number: 23 Question Id: 51245216836 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who introduced Pareto Chart?

- 1. Dieter Zetsche
- 2. Kaoru Ishikawa
- 3. Vilfredo. P
- 4. W. Edward Deming

Options:

51245254227. 1

51245254228. 2

51245254229. 3

51245254230.4

 $Question\ Number: 24\ Question\ Id: 51245216837\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Which one of the following is not one of the originators of the Continuous Improvement approach known as Total Quality Management?

- 1. W. Edward Deming
- 2. Kaoru Ishikawa
- 3. Dieter Zetsche
- 4. Joseph Duran

Options:

51245254231.1

51245254232. 2

51245254233.3

51245254234.4

Question Number: 25 Question Id: 51245216838 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A Pareto diagram can be best described as:

- 1. Cause and Effect Diagram
- 2. Scatter Chart
- 3. Control Chart
- 4. Histogram

Options:

51245254235. 1

51245254236. 2

51245254237. 3

51245254238.4

 $Question\ Number: 26\ Question\ Id: 51245216839\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Who should work on a root cause analysis?

- 1. Only area supervisor(s)
- 2. Only the supervisor and the Quality Manager
- 3. The people who are closes to the work on a daily basis
- 4. Only the person who identified a non-conform

Options:

51245254239. 1

51245254240. 2

51245254241.3

51245254242. 4

Question Number: 27 Question Id: 51245216840 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

When performing a root cause investigation, which of the following should you work hard to avoid?

- 1. Determining what process was not adequate and why?
- 2. Assigning the personal blame
- 3. Assuming the first reason that comes to mind is the ultimate root cause
- 4. Both options 2 and 3

Options:

51245254243.1

51245254244. 2

51245254245.3

51245254246.4

Question Number: 28 Question Id: 51245216841 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Cost of quality is-

- 1. Prevention costs
- 2. Failure costs
- 3. Appraisal costs
- 4. All of the above

Options:

51245254247. 1

51245254248. 2

51245254249.3

51245254250.4

Question Number: 29 Question Id: 51245216842 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Most imprecise definition for quality is-

- 1. Fitness for use
- 2. Meeting customer expectation
- 3. Completeness of requirements
- 4. Efficient and effective product

Options:

51245254251.1

51245254252. 2

51245254253.3

51245254254.4

Question Number: 30 Question Id: 51245216843 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

A ______ is a histogram or bar chart combined with a line graph that groups the frequency or cost of different problems to show their relative significance.

- 1. Pareto chart
- 2. Fishbone diagram
- 3. Scatter plot
- 4. Failure mode and effects analysis (FMEA)

Options:

51245254255. 1

51245254256. 2

51245254257. 3

51245254258.4

Question Number: 31 Question Id: 51245216844 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A ______ sorts possible causes into various categories that branch off from the original problem. Also called a cause-and-effect or Ishakawa diagram

- 1. Scatter Plot Diagram
- 2. Pareto Chart
- 3. Fishbone Diagram
- 4. Failure mode and effects analysis (FMEA)

Options:

51245254259. 1

51245254260. 2

51245254261.3

51245254262.4

Question Number: 32 Question Id: 51245216845 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Root Cause Analysis relates to:

- 1. Process Analysis
- 2. Quality Audits
- 3. Quality Control Measurements
- 4. Performance Measurements

Options:

51245254263. 1

51245254264. 2

51245254265.3

51245254266.4

Question Number: 33 Question Id: 51245216846 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

FMEA is

- 1. Proactive
- 2. Reactive
- 3. Concurrent
- 4. Correlational

Options:

51245254267. 1

51245254268. 2

51245254269.3

51245254270.4

Question Number: 34 Question Id: 51245216847 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

FMEA is used to identify potential failure modes and

- 1. Only identify actions to mitigate the failures
- 2. None of the alternatives
- 3. Only determine their effect on the operation of the product
- Determine their effect on the operation of the product and identify actions to mitigate the failures

Options:

51245254271.1

51245254272. 2

51245254273.3

51245254274.4

Question Number: 35 Question Id: 51245216848 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

What are the three attributes of a failure that the FMEA scores?

- 1. Scope, Schedule, Budget
- 2. Severity, Occurrence, Detection
- 3. What, When, Who
- 4. All of the above

Options:

51245254275. 1

51245254276. 2

51245254277.3

51245254278.4

Question Number: 36 Question Id: 51245216849 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

DMAIC is often associated with ______.

- 1. Six-sigma activities
- 2. Kaizen board
- 3. 5-S
- 4. Acceptance sampling

Options:

51245254279. 1

51245254280. 2

51245254281.3

51245254282. 4

Question Number: 37 Question Id: 51245216850 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

When should FMEA be applied?

- 1. Early in the development cycle
- 2. After the development cycle
- 3. After the product has been launched
- 4. After customer feedback is obtained

Options:

51245254283.1

51245254284. 2

51245254285. 3

51245254286.4

Question Number: 38 Question Id: 51245216851 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of the following is a graphical representation of Cause Effect analysis?

- 1. Pareto Diagram
- 2. Fishbone or Ishikawa Diagram
- 3. Scatter Diagram
- 4. Run Chart

Options:

51245254287. 1

51245254288. 2

51245254289. 3

51245254290.4

Question Number: 39 Question Id: 51245216852 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which analysis tool provides insight into the likely causes of observed customer complaints?

- 1. Failure Mode Effects Analysis
- 2. Quality Function Deployment
- 3. Process Capability Study
- 4. Root cause Analysis

Options:

51245254291.1

51245254292. 2

51245254293.3

51245254294.4

 $Question\ Number: 40\ Question\ Id: 51245216853\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

What is RPN?

- 1. Rajasthan Port Notation
- 2. Rashtriya Pradhanmantri Nigam
- 3. Risk Priority Number
- 4. Registered Project Number

Options:

51245254295. 1

51245254296. 2

51245254297. 3

51245254298.4

Question Number: 41 Question Id: 51245216854 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

According to Deming, Quality problems are

- 1. Due to Management
- 2. Due to Method
- 3. Due to Machine
- 4. Due to Material

Options:

51245254299. 1

51245254300. 2

51245254301.3

51245254302.4

Question Number: 42 Question Id: 51245216855 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

What are the types of FMEA?

- System Failure Mode and Effects Analysis (SFMEA) and Design Failure Mode and Effects Analysis (DFMEA)
- Process Failure Mode and Effects Analysis (PFMEA) and System Failure Mode and Effects Analysis (SFMEA)
- Design Failure Mode and Effects Analysis (DFMEA) and Process Failure Mode and Effects Analysis (PFMEA) and System Failure Mode and Effects Analysis (SFMEA)
- 4. None of the above

Options:

51245254303. 1

51245254304. 2

51245254305.3

51245254306.4

Question Number: 43 Question Id: 51245216856 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Six Sigma can best be defined as-

- A management methodology that uses only statistical tools to improve the customer experience
- A customer-focused problem-solving methodology that uses powerful statistical tools to reduce variation and improve processes
- 3. A management methodology that is primarily focused on achieving financial results.
- A customer-focused problem-solving methodology used exclusively within the manufacturing sector

Options:

51245254307.1

51245254308. 2

51245254309.3

51245254310.4

Question Number: 44 Question Id: 51245216857 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

In DMAIC, the letter "I" stands for?

- 1. Inputs
- 2. Identify
- 3. Improve
- 4. Implement

Options:

51245254311.1

51245254312. 2

51245254313.3

51245254314.4

Question Number: 45 Question Id: 51245216858 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of these is NOT a component of quality?

- 1. Reliability
- 2. Durability
- 3. Acceptance sampling
- 4. Serviceability

Options:

51245254315.1

51245254316. 2

51245254317.3

51245254318.4

Question Number: 46 Question Id: 51245216859 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Who introduced Six Sigma?

- 1. FRANCIS GALTON
- 2. WALTER A. SHEWHART
- 3. KAORU ISHIKAWA
- 4. BILL SMITH

Options:

51245254319.1

51245254320. 2

51245254321.3

51245254322. 4

Question Number: 47 Question Id: 51245216860 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who created Just in Time Concept, Waste Reduction Concept and Pull System Concept?
1. James Womack
2. T. Ford
3. Alfred . P. Sloan
4. Taichii Ono and Shingeo Shingo
Options:
51245254323. 1
51245254324. 2
51245254325. 3
51245254326. 4
Question Number: 48 Question Id: 51245216861 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0
S-chart is used to monitor of a quality characteristic.
1. Mean
2. Range
3. Variability
4. Attributes
Options:
51245254327. 1

Question Number : 49 Question Id : 51245216862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

51245254329. 3 51245254330. 4 The goal of lean manufacturing is to increase profit by reducing:

- 1. Waste
- 2. Customers
- 3. Employees
- 4. The number of products sold

Options:

51245254331.1

51245254332. 2

51245254333.3

51245254334.4

Question Number: 50 Question Id: 51245216863 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Who developed the seven wastes (MUDA), which are used in lean to describe nonvalue-added activity?

- 1. Shigeo Shingo
- 2. Taiichi Ohno
- 3. Philip B. Crosby
- 4. Armand V. Feigenbaum

Options:

51245254335. 1

51245254336. 2

51245254337.3

51245254338.4

Question Number: 51 Question Id: 51245216864 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who popularized "zero defects" to define the goal of a quality program as the elimination of all defects and not the reduction of defects to an acceptable quality level?

- 1. Shigeo Shingo
- 2. Taiichi Ohno
- 3. Armand V. Feigenbaum
- 4. Philip B. Crosby

Options:

51245254339. 1

51245254340. 2

51245254341.3

51245254342.4

 $Question\ Number: 52\ Question\ Id: 51245216865\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Who worked with Taiichi Ohno to refine Just In-Time (JIT)?

- 1. Walter Shewhart
- 2. Shigeo Shingo
- 3. Philip B. Crosby
- 4. Armand V. Feigenbaum

Options:

51245254343.1

51245254344. 2

51245254345.3

51245254346.4

Question Number: 53 Question Id: 51245216866 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

TPS stands for:

- 1. Toyota Production System
- 2. Total Production System
- 3. Total Productive Solution
- 4. Tata Production System

Options:

51245254347. 1

51245254348. 2

51245254349. 3

51245254350.4

Question Number: 54 Question Id: 51245216867 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Who develop the Single Minute Exchange of Die (SMED)?

- 1. Taiichi Ohno
- 2. Philip B. Crosby
- 3. Armand V. Feigenbaum
- 4. Shigeo Shingo

Options:

51245254351.1

51245254352. 2

51245254353.3

51245254354.4

Question Number: 55 Question Id: 51245216868 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who developed the idea of total quality control based on three steps to quality consisting of quality leadership, modern quality technology, and an organizational commitment to quality?

- 1. Armand V. Feigenbaum
- 2. Shigeo Shingo
- 3. Taiichi Ohno
- 4. Philip B. Crosby

Options:

51245254355. 1

51245254356. 2

51245254357.3

51245254358.4

Question Number: 56 Question Id: 51245216869 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

_____ is best known for his advocacy of 'ZERO DEFECTS MANAGEMENT & PREVENTION'.

- 1. Joseph M. Juran
- 2. Philip B. Crosby
- 3. Kouru Ishikawa
- 4. W. Edwards Deming

Options:

51245254359.1

51245254360.2

51245254361.3

51245254362.4

Question Number: 57 Question Id: 51245216870 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which name is associated with the phrase, "quality is free"?

- 1. Edward Deming
- 2. Philip B. Crosby
- 3. Baldridge
- 4. Ishikawa

Options:

51245254363.1

51245254364. 2

51245254365.3

51245254366.4

 $Question\ Number: 58\ Question\ Id: 51245216871\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Quality Guru who is known for the Four Absolutes

- 1. Philip B. Crosby
- 2. W. Edwards Deming
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254367. 1

51245254368. 2

51245254369.3

51245254370.4

Question Number: 59 Question Id: 51245216872 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Quality Guru who is known for the Three Basic Steps to Progress.

- 1. Joseph M. Juran
- 2. Philip B. Crosby
- 3. W. Edwards Deming
- 4. Kouru Ishikawa

Options:

51245254371.1

51245254372. 2

51245254373.3

51245254374.4

 $Question\ Number: 60\ Question\ Id: 51245216873\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Quality Guru who is known for the 7 Deadly diseases.

- 1. W. Edwards Deming
- 2. Philip B. Crosby
- 3. Kouru Ishikawa
- 4. Walter Shewhart

Options:

51245254375.1

51245254376. 2

51245254377. 3

51245254378.4

Question Number: 61 Question Id: 51245216874 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

P-charts are based on the-

- 1. Normal distribution
- 2. Poisson distribution
- 3. Binomial distribution
- 4. Negative exponential distribution

Options:

51245254379.1

51245254380. 2

51245254381.3

51245254382.4

Question Number: 62 Question Id: 51245216875 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The quantity sigma (s) indicates

- 1. Trend in the process
- 2. Dispersion in the data
- 3. Average
- 4. Range

Options:

51245254383.1

51245254384. 2

51245254385.3

51245254386.4

Question Number: 63 Question Id: 51245216876 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A ---- is used to explain the time scheduled by separate phases by breaking down the project processes and tasks for the dependencies to be accounted.

- 1. Bar chart
- 2. SPC chart
- 3. PDCA
- 4. Gantt chart

Options:

51245254387. 1

51245254388. 2

51245254389. 3

51245254390.4

Question Number: 64 Question Id: 51245216877 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Cost-benefit analysis does not include

- 1. Project benefits
- 2. Project cost factors
- 3. Project gain
- 4. Impact on competitors

Options:

51245254391.1

51245254392. 2

51245254393. 3

51245254394.4

Question Number: 65 Question Id: 51245216878 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Small/Mid-sized Six Sigma projects are executed by professionals titled as:

- 1. Champion
- 2. Green Belt
- 3. Black Belt
- 4. Site Champion

Options:

51245254395.1

51245254396. 2

51245254397. 3

51245254398.4

 $Question\ Number: 66\ Question\ Id: 51245216879\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Which of the following are examples of Internal Failure costs?

- 1. Defects and rework
- 2. Inspection and audits
- 3. Warranty and return
- 4. Purchasing and accounting

Options:

51245254399.1

51245254400. 2

51245254401.3

51245254402.4

Question Number: 67 Question Id: 51245216880 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who is considered to be the father of Six Sigma?

- 1. Bill Smith
- 2. Walter Shewhart
- 3. Jack Welch
- 4. None of the above

Options:

51245254403. 1

51245254404. 2

51245254405.3

51245254406.4

 $Question\ Number: 68\ Question\ Id: 51245216881\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Six Sigma is applicable to

- 1. Finance
- 2. Supply chain
- 3. Healthcare
- 4. All of the above

Options:

51245254407. 1

51245254408. 2

51245254409.3

51245254410.4

Question Number: 69 Question Id: 51245216882 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The percentage yield in Six Sigma is

- 1.93.3
- 2.99.38
- 3.99.977
- 4. 99.99966

Options:

- 51245254411.1
- 51245254412. 2
- 51245254413.3
- 51245254414.4

Question Number: 70 Question Id: 51245216883 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Poka Yoke means

- 1. Mistake proofing
- 2. Standardization
- 3. Process control
- 4. None of the above

Options:

51245254415. 1

51245254416. 2

51245254417. 3

51245254418.4

Question Number: 71 Question Id: 51245216884 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

In "DMAIC", M stands for

- 1. Method
- 2. Measure
- 3. Machine
- 4. Manpower

Options:

51245254419. 1

51245254420. 2

51245254421.3

51245254422.4

Question Number: 72 Question Id: 51245216885 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

"DMAIC" is used for projects aimed at

- 1. Improving an existing business process
- 2. Creating new product or process designs
- 3. Both 1 and 2
- 4. None of the above

Options:

51245254423. 1

51245254424. 2

51245254425.3

51245254426.4

Question Number: 73 Question Id: 51245216886 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Six Sigma project follows the following project methodology/(ies)

- 1. DMAIC
- 2. DMADV
- 3. Both 1 and 2
- 4. None of the above

Options:

51245254427. 1

51245254428. 2

51245254429. 3

51245254430.4

Question Number: 74 Question Id: 51245216887 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of the following was the first set of standards published by the International Standard Organization (ISO) defining a Six Sigma process?

- 1. ISO 13053:2009
- 2. ISO 13053:2010
- 3. ISO 13053:2011
- 4. ISO 13053:2012

Options:

51245254431.1

51245254432. 2

51245254433.3

51245254434.4

Question Number: 75 Question Id: 51245216888 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The aim of Six Sigma initiative is to

- 1. Reduce cost
- 2. Improve quality
- 3. Both 1 and 2
- 4. None of the above

Options:

51245254435. 1

51245254436. 2

51245254437. 3

51245254438.4

Question Number: 76 Question Id: 51245216889 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Combination of Six Sigma and Lean manufacturing is known as

- 1. Advanced Six Sigma
- 2. Lean Six Sigma
- 3. Operational Six Sigma
- 4. None of the above

Options:

51245254439.1

51245254440. 2

51245254441.3

51245254442.4

Question Number: 77 Question Id: 51245216890 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Processes that operate with "six sigma quality" over the short term are assumed to produce long-term defect levels below ___ defects per million opportunities (DPMO)

- 1. 2.4
- 2.3.4
- 3. 4.4
- 4. 5.4

Options:

51245254443. 1

51245254444. 2

51245254445.3

51245254446. 4

 $Question\ Number: 78\ Question\ Id: 51245216891\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Six Sigma strategies seek to improve the quality of the output of a process by

- 1. Identifying the causes of defects
- 2. Removing the causes of defects
- 3. Minimizing variability in manufacturing
- 4. All of the above

Options:

51245254447. 1

51245254448. 2

51245254449.3

51245254450.4

Question Number: 79 Question Id: 51245216892 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The concept of Six Sigma was developed by the following company

- 1. General Electric
- 2. Motorola
- 3. Honeywell
- 4. DuPont

Options:

51245254451.1

51245254452. 2

51245254453.3

51245254454.4

Question Number: 80 Question Id: 51245216893 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The main focus of any Continuous Improvement Project should be the elimination of

- 1. FTEs
- 2. Flexibility
- 3. Waste
- 4. Organizational levels

Options:

51245254455.1

51245254456. 2

51245254457.3

51245254458.4

Question Number: 81 Question Id: 51245216894 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which of the following is NOT one of the seven wastes?

- 1. Inventory
- 2. Movement
- 3. Inventiveness
- 4. Waiting

Options:

51245254459.1

51245254460. 2

51245254461.3

51245254462.4

Question Number: 82 Question Id: 51245216895 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Lean is

- 1. A Method for reducing labor cost
- 2. About shortening the Lead Time
- 3. An efficiency improvement technique
- 4. A set of tools designed to improve productivity

Options:

51245254463.1

51245254464. 2

51245254465. 3

51245254466. 4

Question Number: 83 Question Id: 51245216896 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which word is not directly related to Six Sigma?

- 1. Variability
- 2. Precision
- 3. Flow
- 4. Accuracy

Options:

51245254467. 1

51245254468. 2

51245254469. 3

51245254470.4

Question Number: 84 Question Id: 51245216897 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Choose the statement that is not correct

- 1. LEAN and Six Sigma are both Process Improvement Methodologies
- 2. LEAN arose as a Method to optimize auto manufacturing (Toyota)
- 3. Six Sigma evolved as a quality initiative to reduce variance in Motorola
- 4. Both methodologies are focused in how to optimize the Process flow

Options:

51245254471.1

51245254472. 2

51245254473.3

51245254474.4

Question Number: 85 Question Id: 51245216898 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

What is a typical semi value added activity (activity needed, but not providing directly value for the Customer)?

- 1. Check to ensure compliance
- 2. Rework to correct mistakes
- 3. Training to bring employee to desired standard
- 4. Searching documents

Options:

51245254475. 1

51245254476. 2

51245254477. 3

51245254478.4

Question Number: 86 Question Id: 51245216899 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The 5 "W" to be considered during a Root Cause Analysis are

- 1. Who, What, When, Where and Why
- 2. Who, Who, Who and Who
- 3. Why, Why, Why, and Why
- 4. Who, Why, Who, Why and When

Options:

51245254479. 1

51245254480. 2

51245254481. 3

51245254482.4

Question Number: 87 Question Id: 51245216900 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

In a LEAN environment, operators are responsible for

- 1. Maximizing the output
- 2. Meet customer requirements
- 3. Run the processes assigned
- 4. Execute direct requests to the supervisor

Options:

51245254483.1

51245254484. 2

51245254485. 3

51245254486.4

 $Question\ Number: 88\ Question\ Id: 51245216901\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Value Stream Mapping exercise begins with

- 1. Customer Specifications
- 2. A consensus about how the process should be executed
- 3. A map of the Current Status (process and information flow)
- 4. Best Practices implementation

Options:

51245254487. 1

51245254488. 2

51245254489. 3

51245254490.4

Question Number: 89 Question Id: 51245216902 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

An employee with time available should

- 1. Be punished
- 2. Be rewarded
- 3. Anticipate his work
- 4. Perform the next operation on the Value stream

Options:

51245254491.1

51245254492. 2

51245254493.3

51245254494.4

 $Question\ Number: 90\ Question\ Id: 51245216903\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Which tool is not applicable in the Analyze phase?

- 1. Pareto
- 2. Histogram
- 3. Cause and effect diagram
- 4. Design of experiments

Options:

51245254495.1

51245254496. 2

51245254497. 3

51245254498.4

Question Number: 91 Question Id: 51245216904 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which of the following statements is not correct about Control Charts?

- 1. It is applicable to every process and useful at any time
- 2. Its goal is to identify, as quick as possible, the occurrence of specific factors
- 3. It supplies information about process capability and its stability with time
- 4. It avoids bringing useless adjustments to the process

Options:

51245254499. 1

51245254500. 2

51245254501.3

51245254502.4

Question Number: 92 Question Id: 51245216905 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Waste

- 1. is part of a Process and always inevitable
- 2. is part of a Process and always evitable
- 3. is the usage of any resource during the Process, which is not recognized by the Customer as increasing the value they receive
- 4. cannot be seen on the shop floor

Options:

51245254503.1

51245254504. 2

51245254505.3

51245254506. 4

Sub-Section Number: 2

Sub-Section Id: 512452990

Question Shuffling Allowed: Yes

Question Number: 93 Question Id: 51245216906 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

When deciding whether or not to implement CQI, cost should be the most important deciding factor.

- 1. True
- 2. False

Options:

51245254507.1

51245254508. 2

Question Number: 94 Question Id: 51245216907 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The goal of root cause analysis is to prevent recurrence of a non-conformance.

- 1. True
- 2. False

Options:

51245254509.1

51245254510. 2

Question Number: 95 Question Id: 51245216908 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Preventive actions do not require monitoring for effectiveness.

- 1. True
- 2. False

Options:

51245254511. 1

51245254512. 2

Question Number: 96 Question Id: 51245216909 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Measure, Improve, Analyse and Control are the four logical filters

- 1. True
- 2. False

Options:

51245254513. 1 51245254514. 2

Question Number: 97 Question Id: 51245216910 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

It is advisable to initiate the Sort and Set-In-Order phases at the same time.

- 1. True
- 2. False

Options:

51245254515. 1 51245254516. 2

Question Number: 98 Question Id: 51245216911 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Juran's Trilogy summarizes the three primary managerial functions: Quality Planning, Quality Control & Quality Improvement.

- 1. True
- 2. False

Options:

51245254517. 1 51245254518. 2

Question Number : 99 Question Id : 51245216912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks: 1 Wrong Marks: 0

Quality Improvement phase which deals with continuous improvement of the product and process, is also called the Quality Breakthrough Sequence.

- 1. True
- 2. False

Options:

51245254519. 1

51245254520. 2

Question Number: 100 Question Id: 51245216913 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Quality Control takes over after the planning phase.

- 1. True
- 2. False

Options:

51245254521.1

51245254522. 2