NCQC 2022
Knowledge Test

PRACTICE PAPER – 02
12th Dec 2022

For Quality Circle Teams Participating in NCQC 2022

Designed by:

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NCQC Knowledge Test _ Practice Paper No. 02

Among 20 questions please consider ~ 4 numerical, 3 typical common sense related, and 3 on different topics (other than QC)

1) **Who gave the 14 points for Quality improvement to the top management?**
   a. Prof. P. C. Mahalanobis
   b. Dr. J. M. Juran
   c. Dr. W. E. Deming
   d. Dr. Genichi Taguchi

2) **Who was the founder president of JUSE and KAI-DEN-REN?**
   a. Dr. Kaoru Ishikawa
   b. Dr. Ichiro Ishikawa
   c. Dr. Genichi Taguchi
   d. None of the above

3) **Which one of the actions is not part of the 4-step approach given by Dr. Juran to analyze the process flow chart?**
   a. Examine each decision-making symbol
   b. Examine each rework symbol
   c. Examine each terminal symbol
   d. Examine each activity symbol

4) **Out of 5 key elements identified by J P Gilford on the human ability to be creative, willingness to contribute to achieving the end goal without the fear of failure is termed as**
   a. Drive
   b. Fluency
   c. Awareness
   d. Flexibility

5) **The originator of the modern graphic method is?**
   a. Mr. M. C. Lorenz
   b. Mr. Oakland
   c. Mr. T. H. Lambert
   d. Mr. W. Pareto

6) **What does "RUN" signify in the control chat**
   a. Three points occur on one side of the control chart
   b. No point occurs on one side of the control chat
   c. Seven or more points occur continuously on one side of the control chart
   d. None of above

7) **A control chart helps us in identify deviations in a process due to**
   a. Assignable Causes
   b. Chance Causes
   c. Common Causes
   d. None of the above

8) **In $\overline{X}$-R chart the value of $A_2\overline{R}$ is 1.8. What will be the value of sigma?**
   a. 1.8
   b. 5.4
   c. 0.6
   d. None of above

9) **What is the Lorenz curve in the Pareto diagram?**
   a. Cumulative number
   b. Percentage
   c. Cumulative percentage curve
   d. Total number of the observation

10) **Cause and Effect diagram is used to identify?**
   a. Actual causes
   b. Probable causes
   c. Root causes
   d. Sub Causes

11) **If the coefficient of correlation of the two variables is 0.8, this shows that**
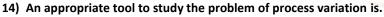   a. There is no correlation
    b. There is a strong positive correlation
    c. There is a strong negative correlation
    d. The difference in both the variables

12) **In a scatter diagram, the closeness of the points to a central line indicates**
    a. Positive correlation
    b. Negative Correlation
    c. Lower correlation
    d. Higher Correlation

13) **In the "Finding Out the Root Cause" step in problem-solving, Quality Circle follow**
    a. Histogram
    b. Validation of causes
    c. Pareto Analysis
    d. Stratification

14) **An appropriate tool to study the problem of process variation is.**
    a. Bar Chart
    b. Pareto Chart
    c. Stratification
    d. Histogram

15) **If the least count of a balance is 2 grams and the minimum weight out of 289 packets checked is 98 grams. What should be the lower limit of the first-class interval?**
    a. 98
    b. 97
    c. 97.5
    d. 97.9

16) **In the 5S System "Place for everything and everything on its place" belongs to**
    a. SEIRI
    b. SEITON
    c. SEISO
    d. SEIKETSU
    e. SHITSUKE

17) **Which one is not true for Lean Quality Circle?**
    a. The problem can be selected from the problem bank
    b. The problem can be assigned by the management
    c. It is a 5 Step Problem Solving Process
    d. Only A Type Problem is selected

18) **Meaning of GEMBA is**
    a. Problem
    b. Shop floor
    c. Fact
    d. Observation

19) **MURA stands for**
    a. Waste
    b. Unevenness
    c. Overburden
    d. Defect

20) **Which element is not a constituent of Juran's Trilogy**
    a. Planning
    b. Control
    c. Checking
    d. Improvement

Designed By	Dinesh Sharma	Mobile	9589004005	Total Marks	50
Date	12th Dec 2022	e-mail ID	dinesh@ekpahlakadam.com	Duration	20 minutes

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Answer Sheet

Participant Name: **Circle Name:**

Q. No.	Answer	Description	Marks
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20			
Total Marks			

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Answers

Q. No.	Answer	Description
1	c	Dr. W. E. Deming
2	b	Dr. Ichiro Ishikawa
3	c	Examine each terminal symbol
4	a	Drive
5	c	Mr. T. H. Lambert
6	c	Seven or more points occur continuously on one side of the control chart
7	a	Assignable Causes
8	c	0.6
9	c	Cumulative percentage curve
10	b	Probable causes
11	b	There is a strong positive correlation
12	d	Higher Correlation
13	b	Validation of causes
14	d	Histogram
15	b	97
16	b	SEITON
17	d	Only A Type Problem is selected
18	b	Shop floor
19	b	Unevenness
20	c	Checking

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