

NCQC 2022

Knowledge Test

PRACTICE PAPER – 04

16th Dec 2022

For Quality Circle Teams Participating in NCQC 2022

Designed by:

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NCQC Knowledge Test _ Practice Paper No. 04

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

- 1) How many minimum problems a QC Team is expected to identify?
 - a. 30
 - b. 50
 - c. 70
 - d. None of above
- 2) In brainstorming "Hitch-Hiking" is
 - a. Stealing other's ideas
 - b. Duplicity of ideas
 - c. Making ideas from other's ideas
 - d. None of above
- 3) In which type of Cause & Effect Diagram we use pre-decided headers for capturing the causes of the problem?
 - a. Dispersion Analysis Type
 - b. Production Process Classification Type
 - c. Cause Enumeration Type
 - d. In all types of Cause & Effect Diagram
- 4) In Cause & Effect Diagram we list
 - a. Actual Causes
 - b. Root Causes
 - c. All Possible Causes
 - d. Most Probable Causes
- 5) Pareto Diagram is used to for
 - a. Identifying Vital Few Causes
 - b. Useful Many Causes
 - c. Prioritization
 - d. All above
- 6) What is the contribution of x to y, where x is an independent variable, y is dependent of x and the value of the coefficient of correlation r is 0.7?
 - a. 70 %
 - b. 49 %
 - c. 30 %
 - d. None of above
- 7) Calculate the width of class intervals where the range is 15, the least count is 1 gram and the number of classes is 8
 - a. 2
 - b. 1
 - c. 4
 - d. None of above
- 8) Double Peaked Histogram occurs when
 - a. Data is a mixture of two different conditions
 - b. Data is a mixture of several process conditions
 - c. Data values are rounded off
 - d. Data measurement error takes place
- 9) During which period Prof. Mahalanobis was a member of the planning commission of the Government of India?
 - a. 1955 ~ 67
 - b. 1941 ~ 65
 - c. 1945 ~ 48
 - d. 1950 ~ 55
- 10) Which is not true for Quality Circle?
 - a. A Small Group
 - b. Voluntary
 - c. Use Quality Control techniques
 - d. Have members from anywhere in the workshop

- 11) In XBar-R chart, for the subgroup of 5, what will be the value of $LCL_{\bar{X}}$ if \bar{X} is 35.5 grams? The value of sigma is 1.5 and the value of $A_2 = 0.577$
- 3.1
 - 31
 - 32.5
 - 34
- 12) Who popularised Pareto Diagram?
- Vilfredo Pareto
 - M. C. Lorenz
 - Dr. J. M. Juran
 - Dr. Kaoru Ishikawa
- 13) For better continuity and performance of Quality Circles, which one is the best frequency and duration
- ½ hours a week
 - Once in 15 days
 - Once a month for an hour
 - Once a week for an hour
- 14) To show the presence of team members in the QC register
- “P” is marked
 - “D” is marked
 - Members put signature
 - The leader will put the attendance
- 15) During the identification of problems in a Quality Circle meeting, which type of brainstorming is more useful?
- Slip Method
 - Unstructured method
 - Round Robin method
 - Reverse brainstorming
- 16) In X-R Chart the Moving Range ‘R’ is
- Largest value
 - Average of all values
 - Smallest Value
 - None of the above
- 17) Validation of the most probable causes to identify the root causes is done through
- Observation
 - Data Analysis
 - Experiment
 - All above
- 18) In 4W & 1H, 4W represents
- What, Where, Why & When
 - What, Where, Why & Who
 - What, Where When & Who
 - What, Why, When, & Who
- 19) To make the Pareto Diagram Date is organized in
- Ascending order
 - Descending order
 - Random Order
 - None of above
- 20) The meaning of “GENRI” is
- Real Thing
 - Real Fact
 - Principle
 - Standard



Designed By	Dinesh Sharma	Mobile	9589004005	Total Marks	50
Date	16 th 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
1			
2			
3			
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19			
20			
Total Marks			

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Answers

Q. No.	Answer	Description
1	b	50
2	c	Making idea from other's ideas
3	a	Dispersion Analysis Type
4	c	All Possible Causes
5	d	All above
6	b	49 %
7	a	2
8	a	Data is mixture of two different conditions
9	a	1955 ~ 67
10	d	Have members from anywhere in the workshop
11	c	Alex Osborn
12	c	Dr. J. M. Juran
13	d	Once in a week for an hour
14	c	Members put signature
15	c	Round Robin method
16	d	None of the above
17	d	All above
18	c	What, Where When & Who
19	b	Descending order
20	c	Principle

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