NCQC 2024
Knowledge Test
PRACTICE PAPER - 10

For Quality Circle Teams Participating in NCQC 2024

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https://www.linkedin.com/in/ekpahlakadam/

Designed by:
Dinesh Sharma
9589004005
dinesh@ekpahlakadam.com

NCQC Knowledge Test _ Practice Paper No. 04 _ For Learning

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

1) **As per JP Guilford, the five factors are basic elements that enhance creative thinking are Fluency, Flexibility, Originality, Awareness, and Drive, in this which combination is incorrect?**
   a. Fluency – Ability to think of the maximum number of ideas within a short or given time
   b. Flexibility – Ability of mind to move or jump from one area to another quickly
   c. Drive – We will do it and show it
   d. Awareness – Ability to see the "big picture" or imagine beyond the immediate fact
   e. None of the above
2) **Which is incorrect?**
   a. Muda = Waste
   b. Mura = Variation / Imbalance
   c. Muri = Overburden / Overload
   d. None of the above
3) **Which is Correct?**
   a. SEIRI – Sorting
   b. SETTON – Set in Order
   c. SEISO – Shine
   d. SEIKETSU – Standardize
   e. SHITSUKE – Discipline
   f. All of the above
4) **Which is correct?**
   a. KAIZEN – Change for Better
   b. Poka-Yoke – Error Proofing
   c. JUSE - Union of Japanese Scientists and Engineers
   d. All of the above
5) **Which is the correct objective of Quality Circle?**
   a. Self and Mutual Development
   b. Tap member's creativity
   c. Continuously improve the quality of their work, products & services
   d. All of the above
6) **Which is not a correct combination?**
   a. GEMBA – Actual Place (Shop floor)
   b. GEMBUTSU – Actual Thing
   c. GENJITSU – Actual Fact
   d. GENRI – Principles
   e. GENSOKU – Standards & Parameters
   f. None of the above
7) **Dr. J M Juran advised to examine which symbol critically to improve the process.**
   a. Decision Symbol
   b. Activity Symbol
   c. Rework Loop
   d. Document and Data Base Symbol
   e. All of the above
8) **Which is the correct combination?**
   a. Bar Graph – Comparison
   b. Line Graph – Trend
   c. Pie Graph - Contribution
   d. Pareto Chart - Prioritisation
   e. Radar Graph – Progress, Change, 5S Score
   f. All of the Above
9) **Attribute data is also called?**
   a. Variable Data
   b. Discrete Data
   c. Measurable data
   d. None of the above

10) **Which is the correct combination for Pareto Shapes?**
    a. Cliff– One Primary Factor, Easy to Establish Priority, Selection is obvious,
    b. New Mountain– 2 or 3 Primary Factor, may need to address all primally factor
    c. Old Mountain - No primary factors, not useful to prioritize, need to categorize using a different variable
    d. Valley - The final "miscellaneous" category is a major category, and can't address miscellaneous
    e. All of the above
11) **What is true for the PDCA Cycle?**
    a. Basic Concept was developed by W. A. Shewart
    b. Also known as Deming Wheel
    c. Was divided into 6 parts by K. Ishikawa
    d. All of the above
12) **What are the types of Cause & Effect Diagrams?**
    a. Dispersion Analysis Type
    b. Cause Enumeration Type
    c. Production Process Classification Type
    d. All of the Above
13) **Which is true for the Control Chart?**
    a. There are a total of 7 types of control chart
    b. There are two basic categories – Control Chart for Variable Data, Control Chart for Attribute Date
    c. For Variable Data there are three Control Charts – X-MR, X - R, $\overline{X}$- s chart
    d. For Attribute Data there are four Control Chart – p, np, u & c chart
    e. All of the Above
14) **Which is true for the Control Chart for Variable Data?**
    a. X - MR Chart – When a measurement is one
    b. $\overline{X}$ – R Chart – When measurements are 2 ~ 10
    c. $\overline{X}$ – s Chart – When measurements are > 10
    d. All of the above
15) **Which is true for the Control Chart for Variable Data?**
    a. p-chart – for defective, the number of measurements is not constant in each subgroup
    b. np-chart – for a defective, constant number of measurements in each subgroup
    c. u-chart – for defects, number of measurements is not constant in each subgroup
    d. c-chart – for defects, constant number of measurements in each subgroup
    e. All of the Above
16) **Which is not a type of Flow Diagram?**
    a. High-Level
    b. Tree
    c. Matrix
    d. Detailed
17) **Which combination is not correct for the Flow Diagram Symbol?**
    a. Rectangle – Activity
    b. Diamond – Decision
    c. Rounded Rectangle – Database
    d. Small Circle - Connector
18) **Which combination is not Correct?**
    a. Step - 2 / Definition of Problem
    b. Step - 6 / Identification of Root Cause
    c. Step - 9 / Foreseeing Probable Resistance
    d. Step - 11 / Trail Implementation
19) **Which is not an appropriate combination of Tool / Technique & QC Step**
    a. Case & Effect Diagram – Step 5
    b. Pareto Chart – Step 7
    c. Flow Diagram – Step 4
    d. None of the above
20) **Which is not an appropriate combination of Tool / Technique & QC Step**
    a. Ranking Method – Step 2
    b. Pareto Diagram – Step 2
    c. Why-Why Analysis – Step 6
    d. None of the above

Designed By	Dinesh Sharma	**Mobile**	9589004005	**Total Marks**	50
Date	30th Nov 2024	**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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Total Marks			

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Answers

Q. No.	Answer	Description
1	e	None of the above
2	d	None of the above
3	f	All of the above
4	d	All of the above
5	d	All of the above
6	f	None of the above
7	e	All of the above
8	f	All of the above
9	b	Discrete Data
10	e	All of the above
11	d	All of the above
12	d	All of the above
13	e	All of the above
14	d	All of the above
15	e	All of the above
16	b	Tree
17	c	Rounded Rectangle – Data Base
18	a	Step - 2/Definition of Problem
19	c	Flow Diagram – Step 4
20	d	None of the above

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