STATISTICAL QUALITY CONTROL

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Short Description

STATISTICAL QUALITY CONTROL   case study

Description

Multiple choices:

Q1. If in a hall there are 18 persons then how many handshakes are possible?

1. **18*18**

2. **18*17/2**

3. **18*17**

4. **None of the above**

Q2. If the number of trials be 'n' and the probability of occurrence be 'p' then the

standard deviation with respect to np, is given by:

1. (np)1/2

2. (np(1-p))1/2

3. (np)1/4

4. (np(1-p))1/4

Q3. For a biased coin the probability of occurrence of head is 0.4 ,if the coin is tossed twice then the probability of occurrence of at least one head will be:

1. **0.76**

2. **0.48**

3. **0.64**

4. **0.16**

Q4. Factorial of 5 equals:

1. **60**

2. **120**

3. **24**

4. **5**

Q5. Combinatory of (4,2) equals:

1. **12**

2. **8**

3. **6**

4. **None of the above**

Q6. **'Economic Control of Quality of Manufactured Product', a book by Walter A Shewhart in:**

1. **1931**

2. **1941**

3. **1930**

4. **1956**

Q7. **Quality is judged by…………**

1. **Retailer**

2. **Government**

3. **Customer**

4. **Hole seller**

Q8. **A run chart is a special chart of…………**

1. **Pie chart**

2. **Line chart**

3. **R chart**

4. **C chart**

Q9. **Universes may differ :**

1. **In average**

2. **In above average**

3. **At higher level**

4. **All of the above**

Q10. ASQC and ANSI began in the year:

1. **1956**

2. **1976**

3. **1978**

4. **1960**

Part Two:

1. **Differentiate between 'Defect' and 'Defective'.**

2. **Explain the need of 'short method'.**

3. **What does 'Tchebycheff's inequality theorem' say?**

4. **Explain the usability of 'stochastic limit'.**

5. **Write a note on 'Cause and Effect' diagram.**

1. **What marketing strategy should RSL adopt to remain competitive in the international market?**

2. **Has the company taken the right decision to forward integrate and enter into the highly volatile garment market?**

3. **How could have the SQC approach, been useful in solving the immediate problems of Japan?**

4. **If you were among one of the management members, what would have been**

your first insight.

5. **A sample of 30 is to be selected from a lot of 200 articles. How many different samples are possible?**

6. **In Dodge's CSP-1, it is desired to apply sampling inspection to 1 piece out of every 15 and to maintain an AOQL of 2%. What should be the value of i?**

Details

1. Case study solved answers

2. pdf/word

3. Fully Solved with answers