### Assignment 12

The due date for submitting the assignment is passed. As per your records you have not submitted this assignment.

**Due on**: 2020-04-22, 03:49 IST.

1. A natural variation which is inherent in the process during manufacturing of a product is termed as 1 point

   - Process variation
   - Assignable variation
   - Random variation
   - All of the above

   No. the answer is incorrect. Correct Answer: Process variation

2. Control charts for attributes help in 1 point

   - Assessing the quality performance of a system
   - Drawing attention of management for changing the quality
   - Suggest quality characteristics to develop a bar and I-charts
   - All of the above

   No. the answer is incorrect. Correct Answer: Assessing the quality performance of a system

3. C-charts are plotted in case where 1 point

   - Sample size is fixed
   - Sample size is variable
   - In both cases, fixed and variable
   - It does not depend on the sample size, whether fixed or variable

   No. the answer is incorrect. Correct Answer: Sample size is fixed

4. Which of the following sample size exceed the limit of proportion defective in a P-chart? 1 point

<table>
<thead>
<tr>
<th>Stats</th>
<th>Sample size</th>
<th>Defective</th>
</tr>
</thead>
<tbody>
<tr>
<td>n1</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>n2</td>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>n3</td>
<td>300</td>
<td>30</td>
</tr>
<tr>
<td>n4</td>
<td>400</td>
<td>40</td>
</tr>
<tr>
<td>n5</td>
<td>500</td>
<td>50</td>
</tr>
</tbody>
</table>

   No. the answer is incorrect. Correct Answer: n4, n5

5. Work measurement technique includes 1 point

   - Check sheet
   - Block data method
   - Production time motion study
   - All of the above

   No. the answer is incorrect. Correct Answer: All of the above

6. The correct statement for chance variation (in SPC) is 1 point

   - There lead to minor variation
   - Most of the time, chance variation lead to rejection of the product
   - These can be easily controlled
   - All of the above

   No. the answer is incorrect. Correct Answer: There lead to minor variation

7. Mean control charts are sensitive to 1 point

   - Change in process dispersion
   - Shift in the process mean
   - Average range of the different samples
   - All of the above

   No. the answer is incorrect. Correct Answer: Change in process dispersion

8. Basic work in work study to produce an item comprised of 1 point

   - Minimum time under given set of conditions
   - Maximum time under given set of conditions
   - Value time
   - Efficiency time

   No. the answer is incorrect. Correct Answer: Minimum time under given set of conditions

9. Control chart of variables indicates 1 point

   - The process is under closed control or out of control
   - When to leave the process alone
   - When to take corrective action
   - All of the above

   No. the answer is incorrect. Correct Answer: When to take corrective action

10. Time to produce an item includes 1 point

    - Time consumed to do the basic work only
    - Time consumed to do the added work only
    - Time consumed to do the basic and added work
    - Time consumed to do the basic and added work as well as ineffective time

    No. the answer is incorrect. Correct Answer: Time consumed to do the basic and added work as well as ineffective time