

**QUESTIONS:**

- 1. Which of the following C's is NOT one of the "C's" that we think about when determining if something is value added or not:**
  - The Customer Cares
  - The Cost is Affected
  - It Changes the Product
  - It's done Correct the First Time
  
- 2. You're observing a production line and you notice a separate area where material get re-processed when they don't pass a visual inspection. What is the primary form of waste occurring here?**
  - Defects
  - Motion
  - Inventory
  - Extra-Processing
  
- 3. Which form of waste is the 8<sup>th</sup> and newest form of waste?**
  - Inventory
  - Extra-processing
  - Defects
  - Non-Utilized Talent
  
- 4. A kanban system that ensures value flows at the pull of the customer is a good tool to eliminate what form of waste?**
  - Over-production
  - Inventory
  - Extra-processing
  - Defects
  
- 5. You have a shared resource that must be changed-over frequently. You're performing a SMED analysis and you notice that the employees are constantly walking to different locations to get the necessary change-over tools. This represents which form of waste?**
  - Motion
  - Transportation
  - Waiting
  - Extra-processing

6. **You're on a project selection committee to determine which project should be selected that will have the biggest impact on the organization. You've analyzed 4 projects. Which project should not be considered for execution?**
- Project A – Low Impact, High Effort
  - Project B – Low Impact, Low Effort
  - Project C – High Impact, Low Effort
  - Project D – High Impact, High Effort
7. **You've been tasked with tracking your teams performance against its key metrics, projects and action plans, which tool would be most appropriate:**
- Project Management
  - Hoshin Kanri
  - Balanced Scorecard
  - SWOT Analysis
8. **You've been tasked with improving the organization and cleanliness of your production floor. Which tool would be appropriate in this situation:**
- Value Stream
  - Kanban
  - 5S
  - Standard Work
9. **The Cost of Poor Quality & Cost of Good Quality can be combined to calculate what:**
- Your Products Target Sales Price
  - The Annual Investment in Prevention
  - The Total Cost of Quality
  - Your Projected Annual Failure Costs
10. **Which Quality Guru Contributed heavily to the world of designed experiments:**
- Joseph Juran
  - W. Edwards Deming
  - Genichi Taguchi
  - Walter A. Shewhart

**SOLUTIONS:**

1. Which of the following C's is NOT one of the "C's" that we think about when determining if something is value added or not:

- The Customer Cares
- **The Cost is Affected**
- It Changes the Product
- It's done Correct the First Time

The Three "C's" of determining if something is value-added or not is: the customer cares, it changes the product and it is correct the first time. Whether or not the cost is affected is not a determining factor in being value added or not.

2. You're observing a production line and you notice a separate area where material get re-processed when they don't pass a visual inspection. What is the primary form of waste occurring here?

- **Defects**
- Motion
- Inventory
- Extra-Processing

3. Which form of waste is the 8<sup>th</sup> and newest form of waste?

- Inventory
- Extra-processing
- Defects
- **Non-Utilized Talent**

4. A kanban system that ensures value flows at the pull of the customer is a good tool to eliminate what form of waste?

- **Over-production**
- Inventory
- Extra-processing
- Defects

A kanban ensures that production only occurs at the pull of the customer, to avoid the waste of **over-production**.

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- Transportation
- Waiting
- Extra-processing

6. You're on a project selection committee to determine which project should be selected that will have the biggest impact on the organization. You've analyzed 4 projects. Which project should not be considered for execution?

- **Project A – Low Impact, High Effort**
- Project B – Low Impact, Low Effort
- Project C – High Impact, Low Effort
- Project D – High Impact, High Effort

A project that requires **high effort**, but only has a **low impact** should not be pursued.

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- **Balanced Scorecard**
- SWOT Analysis

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