1	QUESTIONS:	s any activity that consumes resources but creates no value for the
1.	customer. • Muda	s any activity that consumes resources but creates no value for the
	Muri	
	Mura	
	• Takt	
2.		tice a separate area where material get re-processed when they
	don't pass a visual inspection. What is the prin	nary form of waste occurring nere?
	• Defects	
	Motion	
	InventoryExtra-Processing	
	Extra-Processing	
3.	 You're observing a production line and you know operation is building 2000 units per day. Whate Over-production Inventory Motion Extra-Processing 	ow that the customer demand is 1000 units a day. The current is the primary form of waste occurring here?
4.	4. Which form of waste is the 8 th and newest for	m of waste?
	Over-production	
	 Extra-processing 	
	 Defects 	
	Non-Utilized Talent	
5.	 Which form of waste occurs when a process la Over-production Extra-processing 	cks capability and a rework loop is required to yield good parts?
	 Defects 	
	 Non-Utilized Talent 	

ь.	 Over-production Inventory Extra-processing Non-Utilized Talent
7.	 Which form of waste is defined as the production of material before it is needed? Over-production Motion Extra-processing Non-Utilized Talent
8.	Which form of waste occurs when production assets go idle due to poor flow or other issues within the value stream? • Motion • Inventory • Waiting • Defects
9.	Which form of waste is addressed through the training, coaching and engagement of employees in the ownership of lean thinking? Motion Inventory Defects Non-Utilized Talent
10.	You're analyzing your production process and you notice that employees are constantly walking between stations to change tools. This represents which form of waste? • Motion • Transportation • Extra-processing • Non-Utilized Talent

	You've been tasked with improving a process, and you've identified that each individual who executes your		
•	- ·	d this person to person variation is resulting in poor yield downstream.	
	•	ndard work to reduce the person-to-person variation. Which phase of the	
	AIC process are you in?		
•	Control		
12. Fill in	n the blank: A	is any resource whose capacity is equal to or less than the demand placed	
on it	•		
	Constraint		
	Kanban		
	QFD Matrix		
•	• Kaizen Blitz		
13. Fill in	n the blank:	is defined as the on-going efforts within an organization to improve the	
quali	ity and value of its products, pro	ocesses or services.	
	Quality Assurance		
	Process Validation		
	Continuous Improvement		
cycle incre	e time of each step in the proces	have been tasked to increase the capacity of a process. You've measured the ss to identify the bottleneck. You've attempted to use kaizen activities to ck, and now you're considering adding equipment to increase output. Which is being used?	
	Theory of Constraints		
	• PDCA		
•	Six Sigma		
15. Fill in	n the blank: The Kaizen tool of _	is used to represent the current state of a process.	
•	• SMED		
•	• 5S		
•	Kanban		
•	Standard Work		

	CQE ACADEMY PRACTICE EXAM 12.2			
	Fill in the blank:is defined as any activity that consumes resources but creates no value for the customer. • Muda • Muri • Mura • Takt			
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.	You're observing a production line and you know that the customer demand is 1000 units a day. The current operation is building 2000 units per day. What is the primary form of waste occurring here? Over-production Inventory Motion Extra-Processing Building product before the customer demands it (1000 units per day) is a form of over-production. Over-production is often the worst form of waste because it results in other forms of waste like Inventory & Motion Thus, the primary form of waste here is over-production.			
4.	Which form of waste is the 8 th and newest form of waste? Over-production Extra-processing Defects Non-Utilized Talent			

- 5. Which form of waste occurs when a process lacks capability and a rework loop is required to yield good parts?
 - Over-production
 - Extra-processing
 - **Defects**
 - Non-Utilized Talent

6.	Which form of waste is often considered to be the worst form of waste because it leads to other forms of waste:			
	Over-production			
	• Inventory			
	Extra-processing			
	Non-Utilized Talent			
7.	Which form of waste is defined as the production of material before it is needed?			
	Over-production			
	• Motion			
	Extra-processing			
	Non-Utilized Talent			
8.	Which form of waste occurs when production assets go idle due to poor flow or other issues within the value			
	stream?			
	• Motion			
	• Inventory			
	Waiting			
	• Defects			
9.	Which form of waste is addressed through the training, coaching and engagement of employees in the ownership			
	of lean thinking?			
	• Motion			
	• Inventory			
	• Defects			
	Non-Utilized Talent			
10.	You're analyzing your production process and you notice that employees are constantly walking between stations			
	to change tools. This represents which form of waste?			
	• Motion			
	Transportation			
	Extra-processing			
	Non-Utilized Talent			

- 11. You've been tasked with improving a process, and you've identified that each individual who executes your process does it slightly different, and this person to person variation is resulting in poor yield downstream. You're in the process of creating standard work to reduce the person-to-person variation. Which phase of the DMAIC process are you in?
 - Measure
 - Analyze
 - Improve
 - Control

Creating **standard work** is an example of activity that would occur in the **IMPROVE phase** of the DMAIC Process.

12. Fill in the b	lank: A	is any resource whose capacity is equal to or less than the demand placed
on it.		
• Con	nstraint	
• Kan	ıban	
• QF) Matrix	
• Kaiz	zen Blitz	

- 13. Fill in the blank: _______is defined as the on-going efforts within an organization to improve the quality and value of its products, processes or services.
 - Quality Assurance
 - Process Validation
 - Continuous Improvement
 - Risk Management
- 14. You're leading a team of engineers have been tasked to increase the capacity of a process. You've measured the cycle time of each step in the process to identify the bottleneck. You've attempted to use kaizen activities to increase the output of the bottleneck, and now you're considering adding equipment to increase output. Which continuous improvement technique is being used?
 - Kaizen Blitz
 - Theory of Constraints
 - PDCA
 - Six Sigma

The **Theory of Constraints**, or **ToC**, is based on the assumption that **every process has a constraint that limits it** from achieving its goal.

- 15. Fill in the blank: The Kaizen tool of ______ is used to represent the current state of a process.
 - SMED
 - 5S
 - Kanban
 - Standard Work