

## **Yellow Belt Test Questions:**

	Sigma refers to a roman letter that mathematicians use when discussing "average" or lean"
	[ ] True [ ] False
2.	A process operating at 6 Sigma will only generate 3.4 defects per million opportunities?
	[ ] True [ ] False
	In order to achieve Six Sigma, practitioners follow a standard & rigorous methodology known
4.	Six Sigma originated in the 1980's at Motorola?
	[ ] True [ ] False
5.	To achieve Six Sigma the DMAIC methodology follows which approach
	[ ] Brainstorm possible factors then randomly analyze them to find the significant ones
	[ ] Use SME knowledge & experience to quickly find solutions
	[ ] Use the transfer function Y=f(x)
6.	A Six Sigma process will only produce this many defects per million opportunities
7.	Achieving Six Sigma has nothing to do with meeting customer expectations?
	[ ] True [ ] False
8.	Who is credited as being the father of Six Sigma?
	[ ] Bob Galvin [ ] Mikel Harry
	[ ] Jack Welch



			J., J	,	70 01 001 Q
[	]	True	[ ]	False	
COF	<b>P</b> Q	is an acronym tha	at sta	nds for	what?
Whic	ch d	of the following is	the c	ne that	is not part of the 7 deadly Muda?
[	]	Defects		[ ]	Over Production
[	]	Inventory		[]	Waiting
[	]	Movement		[ ]	Conveyance
[	]	Over Processing	3	[ ]	Measuring
		-		d after a	an Italian economist Vilfredo Pareto
[	]	True	[]	False	
СТС	)'s a	are translated fro	m VO	C	
[	]	True	[]	False	
ОТО			-4	l - <b>£</b>	110
CIG	l IS	an acronym that	stand	is for w	nat?
DPU	l is	calculated by div	riding	the nur	mber of defects by the number of units
[	]	True	[]	False	
In Si	x S	Sigma Primary an	d Sed	condary	Metrics are Mandatory
[	]	True	[ ]	False	
RTY	is	an acronvm that	stand	ls for w	hat?
	COF Whice I In Si	COPQ Which (	[ ] True  COPQ is an acronym that  Which of the following is  [ ] Defects [ ] Inventory [ ] Movement [ ] Over Processing  The Pareto Principle is r [ ] True  CTQ's are translated fro [ ] True  CTQ is an acronym that  DPU is calculated by div [ ] True  In Six Sigma Primary an [ ] True	[ ] True [ ]  COPQ is an acronym that star  Which of the following is the oranged in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the following in the following is the oranged in the following in the followi	[ ] Inventory [ ] [ ] Movement [ ] [ ] Over Processing [ ]  The Pareto Principle is named after a [ ] True [ ] False  CTQ's are translated from VOC [ ] True [ ] False  CTQ is an acronym that stands for w  DPU is calculated by dividing the nur [ ] True [ ] False  In Six Sigma Primary and Secondary



18.	DPU is an acronym that stands fo	r what?						
19.	DMPO is an acronym that stands	for what?						
20.	Which of these is not one of the 4	stages of team development?						
	[ ] Performing [	] Storming						
	[ ] Norming [	] Forming						
	[ ] Adorning							
21.	Which is not a characteristic of a	successful team?						
	[ ] Common goals and working together to achieve that goal							
	[ ] Team member diversity (skills, knowledge, experience etc.)							
	[ ] Appropriate resources are available							
	[ ] Mutual respect	[ ] Mutual respect						
	[ ] A good leader exists among the team							
	[ ] Complacency exists							
bea		itical measure, it's the reason for your project, it's your t important thing to understand in order for you to be						
23.	A well written problem statement	contains all of the following except						
	[ ] Baseline	[ ] Goal						
	[ ] Gap	[ ]COPQ						
	[ ] Timeline Reference	[ ] Project Plan						



From the following, select thos	se that are characteristics of a Lean Enterprise							
[ ] Pull Systems	[ ] Flow							
[ ] Zero Waste	[ ] Availability							
[ ] Flexibility	[ ] Value Add							
Put these 5S's into the proper order of execution								
[ ] Set in Order	[ ] Sort							
[ ] Shine	[ ] Sustain							
[ ] Standardize								
Lean and Six Sigma are Both	focused on Quality & Value for the customer?							
[ ] True [ ]	False							
What is the Japanese word fo	r waste?							
• •	om working more than required, scheduling more capacity that are overkill?							
[ ] Inventory	[ ] Over-Production							
[ ] Motion	[ ] Waiting							
[ ] Transportation	[ ] Over-Processing							
	or other non-conformities that compromise the value of a							
Lean is only about removing w	aste from the enterprise?							
[ ] True [ ]	False							
	[ ] Pull Systems [ ] Zero Waste [ ] Flexibility  Put these 5S's into the proper [ ] Set in Order [ ] Shine [ ] Standardize  Lean and Six Sigma are Both [ ] True [ ]  What is the Japanese word form the proper [ ] What is the Japanese word form necessary or using resources [ ] Inventory [ ] Motion [ ] Transportation  are flaws, errors duct							



31. The 5 Principals of Lean are paraphrased below, select the correct 5

[ ] Customer Defines Value

[ ] Identify the Value Stream

[ ] Continuous Flow

[ ] Pull Where Possible

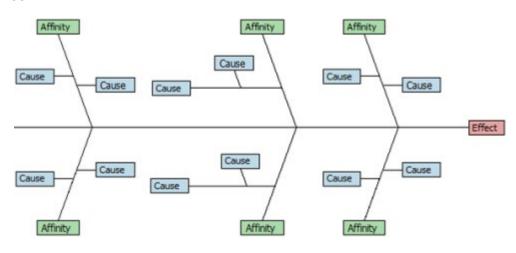
[ ] Manage Toward Perfection

[ ] Batch Processing

[ ] Work Faster

32. \_\_\_\_\_ is when more products are produced than are required by the next function or customer.

## 33. What is this?



[ ] FMEA

[ ] C&E Diagram

[ ] Process Map

[ ] XY Diagram

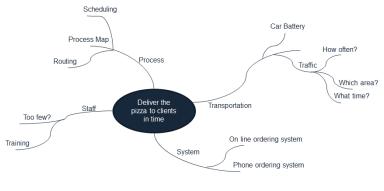
- 34. Arrange these C&E process steps into the correct order of execution.
  - [ ] Affinitize or group the causes
  - [ ] Brainstorm all potentials causes
  - [ ] Evaluate
  - [ ] Identify & define the effect



35.	SIP	OC is an acronym us	ing whicl	n word:	s?	
	[	] Suppliers	[	] Imn	ne	ediate
	[	] Inputs	[	] Pro	CE	ess
	[	] Outputs	[	] Cus	sto	omers
	[	] Primary	[	] Sec	ю	ndary
36.	A SI	POC is another nam	ne for a flo	ow cha	ırt	
	[	] True	[ ]Fals	е		
	An Fection	•	ıl failures	using v	va	alues assigned to severity, occurrence and
	[	] True	[ ] Fals	е		
		ch of these tools mig or the various types	•	•		want to develop a Risk Priority Number and occurr?
	[	] Cause & Effect D	iagram		[	] SIPOC
	[	] Functional Proces	ss Map		[	] Thought Process Map
	[	] XY Diagram			[	] FMEA
39.				n trying	j to	o understand the links between customers,
pro	cess	steps and process o	utputs.			
40.		should be ι	used whe	n brain	ารา	torming possible causes to an effect.



## 41. What is this?



- [ ] FMEA [ ] C&E Diagram
- [ ] Process Map [ ] SIPOC
- [ ] Thought Process Map [ ] Spaghetti Map
- 42. Continuous variables are measured, Discrete variables are counted
  - [ ] True [ ] False
- 43. Nominal Data are discrete and rank ordered.
  - [ ] True [ ] False
- 44. Median is the average of a set of data
  - [ ] True [ ] False
- 45. Median is the middle value in a set of data
  - [ ] True [ ] False
- 46. Mode is the value in a data set that occurs most frequently
  - [ ] True [ ] False



the mean	
[ ] True	[ ] False
48. For the normal distribut deviation	ion, about % of the data fall within +/- 1 standard
49. For the normal distribut deviation from the mean?	ion, about % of the data fall within +/- 2 standard
50. A is a grap	phical tool to present the distribution of the data
51. The null hypothesis for	a normality test is that the data are normally distributed?
[ ] True	[ ] False
52. Select only those that a	re examples of graphical analysis tools
[ ] Box Plots	[ ] Histograms
[ ] Scatter Plots	[ ] Run Charts
[ ] ANOVA table	[ ] Regression Equation
-	Analysis is a step in a Six Sigma project that ensures the data are pre making any data-based decisions.
[ ] True	[ ] False
•	whether the same appraiser can obtain the same value multiple same object using the same equipment under the same
[ ] True	[ ] False

47. Standard Deviation is a measure that describes how far the data points spread away from



55. \	Which are common sou	rces of variation	n most r	measurement systems?	
	[ ] Part to part variat	ion [	] Meas	surement instrument	
	[ ] Repeatability	I	] Repr	oducibility	
	[ ] Humidity	I	] Altitu	de	
56. I great	•	ems Analysis, wh	ich sour	ce of variation do we hop	e to see be the
	[ ] Part to part variat	ion	[	] Measurement instrume	ent
	[ ] Measurer (persor	n measuring)	[	] Altitude	
	[ ] Humidity				
58	surement evaluates valuates valuates i		appraise	ers can obtain the same	value when
	n a Variable Gage R&R atability and Reproduci	•		ibution of variation attribu	itable to
60. I	f Kappa is greater than	0.7 the measure	ment sys	stem is acceptable	
	[ ] True	[ ] False			
	Op considers the within- ition from the sample da		ırd devia	ation and Pp considers th	e total standard
	[ ] True	[ ] False			



	•	uarantee a process to be capable. However, being stable is a ether a process is capable.
[	] True	[ ] False
		ess's potential capability to meet the two-sided specifications. It rage into consideration.
[	] True	[ ] False
=	and Pp take both the	e variation and the average of the process into consideration when bility.
]	] True	[ ] False
65. A Cp	o of greater than 1 s	uggests
[	] Total process var	iation is greater than the width between the USL and LSL
[	] Total process var	iation is less than the width between the USL and LSL
66. A Pp	o of less than 1 sugg	ests
[	] Total process var	iation is greater than the width between the USL and LSL
[	] Total process var	iation is less than the width between the USL and LSL
67. Whic	ch of the following m	easurements is NOT a process capability index?
[	] Cp	[ ] Cpk
[	] Карра	[ ] Percent Defectives
68. 5S is it that wa	•	to organize, order, clean, and standardize a workplaceand keep
]	] True	[ ] False



69.	69. Kanban system is a demand driven system				
	[	] True	[ ] False		
		='	ve type of Poka Yoke is when your car makes an audible "ding" or has not buckled their seat belt?		
	[	] True	[ ] False		
		example of a preven the door closed?	tive type of Poka Yoke is when your dishwasher will not start		
	[	] True	[ ] False		
72.	The	eterm "poka-yoke" ir	n Japanese means "signboard"		
	[	] True	[ ] False		
			s a "pull" production scheduling system to determine when to nd how much to produce based on the demand		
74.	This	s word in Japanese ı	means "signboard"		
75.	Whi	ich if these is not a b	penefit of a Kanban system		
	[	] Minimizes in-pro	cess inventory		
	[	] Prevents overpro	oduction		
	[	] Improves respon	siveness to dynamic demand		
	[	] Increases depen	dency on accurate demand forecasts		
	[	] Streamlines the p	production flow		
	Γ	] Visualizes the wo	ork flow		



76.	From the following, select those the	hat are characteristics of a Lean Enterprise
	[ ] Pull Systems	[ ] Flow
	[ ] Zero Waste	[ ] Value Add
	[ ] High Levels of Inventory	[ ] Several Quality Control Teams
	Return on investment is the ratio	of net financial benefits (either gain or loss) on a project or
	[ ] True [ ] Fals	е
<b>78</b> .	Net present value is the total pres	sent value of cash flows calculated using a discount rate?
79. time	ensure that the char	nges introduced by a Six Sigma project are sustained over
-	are documents that ired to complete an operation.	focus on process steps, activities and specific tasks
81. '	Which of these might not be cons	idered a standard element of a control plan?
	[ ] SOP (Standard Operating	Procedures) [ ] Communication Plan
	[ ] Training Plan	[ ] Audit Plan
	[ ] Floor plan	
	Control plans typically include me ess performance?	easurement systems that monitor and help manage key
	[ ] True [ ] Fals	e



83. Communication Plans are documents that focus on planning and preparing for the dissemination of information?			
[ ]True	[ ]False		
84 A response plan should b	e a component of as few control plan elements as possible		
[ ] True	[ ] False		
85. Which of the following mitasks are performed as expect	ght be used to ensure actions, processes, procedures and other cted?		
[ ] Audit	[ ] Training		
[ ] SOP's	[ ] Communication		
[ ] Measurements	[ ] Poka-Yoke		