Lean Six Sigma Green Belt Certification Exam : For Continuous Improvement				
Step 1.	Scroll down the questions & answers you want to improve or replace			
Step 2.	Zoom your screen in / out (CTRL +/ -) so you can take screen shot to show whole question and answers			
Step 3.	Take Screen Shot / Photo			
Step 4.	Send the Screen Shot / photot to Director's Whatsapp Group			
Step 5.	Write your own version of question / answers in WORD (your suggestions for replacement			
Step 6.	Take Screen Shot or Photo of your own version of question / answers			
Step 7.	Send the Screen Shot / photot to Director's Whatsapp Group			
	Lean Six Sigma is			

	0	Lean Six Sigma i about manufacturing products with si piece flow	
1. Which ONE of the following statements BEST describes what Lean Six Sigma is really about?	⊙ pout?	Lean Six Sigma about improvir our processes s that we can me customer expectations w our products an services as clos 100% of the tim as possible (Score 2)	ig o et ith nd e to
	0	Lean Six Sigma i about the application of statistical tools a techniques	
	0	Lean Six Sigma i about increasing COPQ of our processes	
	لیًا ا	Score Obtained/Total	2/2
2. Who benefits from successful Lean Six Sigma projects?	0	Internal custome	ers
	0	Stakeholders	
	0	External custom	ers
			1/20

	۲	All of the above (Score 2)	e
	Ś	Score Obtained/Total	2/2
0	0	They were both invented by the same company.	
	0	W. Edwards Den approved both o them.	
3. Lean and Six Sigma are often combined together because	۲	Their methods, tools and techniques complement ea other and it ma sense to use the together. (Score 2)	ich ikes
	0	They are both pa of the Project Management Bo of Knowledge	
	¢	Score Obtained/Total	2/2
c	0	Yellow belts are responsible for project selection and review)
	0	Yellow belts are Six Sigma projec leaders	
4. Which one of the following best describes the role of a Yellow Belt on a Lean Six Sigma project?	۲	Yellow belts ass Green and Blac belts on DMAIC projects (Score 2)	k
	0	Yellow belts rem road blocks and the Lean Six Sign cultural change	lead
	Ś	Score Obtained/Total	2/2
5. Which of the following problems would be considered for suitable for a DMAIC project approach ?	0	A 'quick fix' is needed and we know the solutio	on
0	0	The project mus completed withi	

		week	
	۲	Defects in the process output discovered but don't know the root cause or solution (Score 2)	we
	0	A problem with engineering des of a product has been discovered	ign s
	Ú	Score Obtained/Total	2/2
	0	Internal Failure C	Cost
6. A successful Lean Six Sigma project should reduce	0	External Failure (Cost
	۲	Internal and External Failure Cost (Score 2))
	0	None of the abo	ve
	Ś	Score Obtained/Total	2/2
C	0	Location of when the problem is happening	re
	0	Customer group (segments) who experience the problem	
7. In a Project Charter the scope of a project can be defined by any of the following factors EXCEPT	0	Internal departments experiencing the problem	ž
	۲	Financial revent of the business (Score 2)	
	¢	Score Obtained/Total	2/2
8. There are many reasons why statistics are important to a Green Belt. Which of the following statements is NOT a reason why we use Basic Statistics?	0	To calculate the mean average or sample of data	f
0	0	Define the amou of variation in ou	

		process	
	0	Produce graphs to assist us in our understanding	
	۲	Understand Voice of the Customer (VOC) (Score 2)	
	Ú	Score 2/2 Obtained/Total	
	0	Moods median test	
	0	2-sample proportion test	
9. Which is the most appropriate Hypothesis test to use when comparing the mean averages two sample of continuous data that both have a normal distribution ?	0	Throughput test	
	۲	2-sample t-test (Score 2)	
	Û	Score 2/2 Obtained/Total	
	۲	SIPOC (Score 2)	
	0	CPOQ	
10 is often used in the define phase of DMAIC, and as a starting point for high level process maps:	0	CTU	
	0	DPU	
	Û	Score 2/2 Obtained/Total	
	0	Internal Customers are addressed	
	0	Integration management	
11. The letter 'I' in 'DMAIC' refers to a phase where what happens ?	۲	The correct Improvements are agreed upon and then Implemented. (Score 2)	
	0	Induction of team members	
	Û	Score 2/2 Obtained/Total	

12. The best description of Hypothesis Testing is:	۲	A statistical too assist in decisio making and to estimate the ris making a wrong decision (Score 2)	n k of
	0	To form a conclusion by expert opinion	
	0	To identify specia causes within common cause variation	al
	0	To understand 'value' from the perspective of the customer	ie
	٢	Score Obtained/Total	2/2
	۲	Process (Score 2)	
	0	Production	
13. What does the 'P' stand for in the acronym SIPOC?	0	Project	
	0	Pareto	
	٢	Score Obtained/Total	2/2
14. Which of the following statements best describes The Pareto F	Principle?	Approximately 6 of data falls with standard deviation from the mean	in 1
	0	Approximately 2 of causes can be explained by approximately 80 of problems	
	0	20% of complair come from 80% your customers	
	۲	Approximately 80% of sympton of a problems of be explained by approximately 2 of the causes of problems (Score 2)	an / 20%

	Ú	Score Obtained/Total	2/2
	0	55	
	0	Poka Yoke	
15. Which one of the following tools could be used to help a business understand the VOC (voice of the customer) for a new product?	۲	Focus Groups a Surveys (Score 2)	nd
C	0	Value Stream Mapping	
	Ú	Score Obtained/Total	2/2
	0	Start and stop points	
16. A high level Process Map should NOT include C	۲	Time taken for each activity (Score 2)	
	0	Directional flow	
	0	High level process activities	
	Ś	Score Obtained/Total	2/2
	0	p-charts	
	0	c-charts	
17. The following are examples of control charts EXCEPT:	0	Xbar charts	
	۲	Y charts (Score 2)	
	Û	Score Obtained/Total	2/2
18. A Yellow Belt inspects a sample of 200 units that come off a production line and counts 10 defects. What is the DPU (Defects per Unit) metric for the sample?	۲	0.05 (Score 2)	
	0	20	
	0	0.5	
	0	100	
	Û	Score Obtained/Total	2/2

	0	X Bar R Chart	
	0	Moving Range Charts	
	0	X Bar S Chart	
	۲	I - chart (Score 2)	
	Ś	Score Obtained/Total 2/2	
20. In which of the following scenarios would you use an X-bar chart?	0	When the process capability is wider that the specification limits.	
	0	When using a brainstorming technique with a project team.	
	۲	When investigating the shape of the distribution of data.	
	0	When collecting subgroups of data and plotting the mean average value of each subgroup over a period of time. (Score 2)	
	Ú	Score 0/2 Obtained/Total	
	0	Sample	
	۲	Histogram (Score 2)	
21. Which bar chart depicts the frequencies of numerical or measurement data?	0	Check Sheet	
	0	Process Map	
	Ċ	Score 2/2 Obtained/Total	
22. Cyclical patterns (predictable ups and downs) in production output could result from which one of the following?	۲	Changes in shifts (day-shift vs night- shift) (Score 2)	
0	Absenteeism by		

	workers		
	0	Random losses of customers	of
	0	Production equipment getti older and with lo overall equipme effectiveness (O	ower ent
	¢	Score Obtained/Total	2/2
C 23. Which statement best describes Kaizen Event?	۲	Implementatio a small, low ris process improvement i less than a wee (Score 2)	k, n
	0	A signal used in Pull system	а
	0	The methodology for implementation of a process improvement	
	0	Continuous improvement	
	¢	Score Obtained/Total	2/2
	۲	Sort (Score 2)	
	0	Sustain	
24. Which one of the following 5S techniques is used to help remove unnecessary items from cluttering your workplace?	0	Segmentation	
	0	Cleaning tools	
	¢	Score Obtained/Total	2/2
25. Which one of the following Lean Six Sigma techniques assists in the organization and cleanliness of the workplace?	0	Poka Yoke	
	0	Kanban	
	۲	5S (Score 2)	
	0	Process Mappin	g
	Ś	Score	2/2

		Obtained/Total	
	0	Near zero defect conditions	t
26. Poka Yoke devices help us to obtain:	0	Reduced costs	
	0	Higher quality	
	۲	All of the above (Score 2)	e
	Ś	Score Obtained/Total	2/2
	0	Waste, VOC, SIP	OC
	۲	Waste, Variatio Stress (Overburdening (Score 2)	
27. Lean Six Sigma attempts to reduce which of the following?	0	Wear, Vibration, Strain	
	0	Waste, Variance and Overpowering	
	¢	Score Obtained/Total	2/2
	0	Process Chart	
	0	Run Chart	
28. A chart used in the measure phase to help identify the 20% of defective inputs?	0	Control Chart	
	۲	Pareto Chart (Score 2)	
	Ś	Score Obtained/Total	2/2
	۲	The Gemba Wa (Score 2)	lk
	0	The Grenchi Wa	lk
29. The best way to start an effort to map a process and to understand the flow of value in the process is to do which of these?	0	The Gamboa Wa	alk
	0	The Gemba Wor	k
	Ś	Score Obtained/Total	2/2
30. When would you consider using Kaikaku (radical change), rather than Kaizen?	0	When a process	

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			needs small incremental improvements.	
		۲	When a process broken and nee redesign and re structuring (Score 2)	ds
		0	When the moral workers is low	of
		0	When there isn't enough Gemba t go around	
		Ś	Score Obtained/Total	2/2
		۲	Normal distribution (Score 2)	
		0	Universal curve	
	31. Gaussian distribution or 'The Bell Curve' is an alternative name for	0	Skewed distribut	ion
		0	Bimodal distribu	tion
		Ż	Score Obtained/Total	2/2
		0	How well the inp of a process satis the customer of process	fies
		۲	How well the output of a pro- satisfies the customer of the process (Score 2)	
	32. What is the best definition of the 'Capability' of a process?	0	How many stand deviations exist between the mea and the USL	
			How many stand deviations exist	ard
		0	between LSL and USL	the

	33. When carrying out a detailed process map, we should ensure that we map:	0	The process as it should be happening	
		0	The documented process	ł
		0	The improved process	
		۲	The actual proce as it is happenin (Score 2)	
		Ś	Score Obtained/Total	2/2
		۲	Process has common cause variation only (Score 2)	
		0	Process has assignable cause	!S
		0	Process has assignable and chance causes	
		0	Process has assignable and random causes	
		☑	Score Obtained/Total	2/2
		0	Random cause variation	
		۲	Special cause variation (Score 2)	
	35. What type of variation is undesirable when trying to control a process?	0	Chance cause variation	
		0	Normal variation	I
		Ś	Score Obtained/Total	2/2
	36. In a capability study, a process capability index uses both the process and and to determine whether the process is "capable"	0	Accuracy; precisi	on
		۲	Variability; customer specifications (Score 2)	

			Variability; reproducibility	
			Precision; specifications	
	C 37. How is the capability index Ppk calculated?	☑	Score Obtained/Total	2/2
		0	The lower of (Process mean - LSL) or (USL - process mean) divided by six times the within subgroup standard deviation	
		0	The process tolerance divided by three times the overall standard deviation	
		۲	The lower of (Process mean LSL) or (USL - process mean) divided by three times the overa standard deviar (Score 2)	e
		0	The process tolerance divide six times the wit subgroup stands deviation	hin
		ý	Score Obtained/Total	2/2
		۲	Variation reduc (Score 2)	tion
		0	Centering (move t mean to the centr of the specificatio	tre
	38. If a given process is stable and has a Cp= 1.0 and Cpk = 1.0; which of the following improvement approaches is most appropriate?	0	Centering and variation reduction	ion
		0	Process stability (identify and eliminate specia causes)	
		☑	Score Obtained/Total	2/2
	39. What is the best definition of a 'Failure Mode' when using FMEA analysis?	0	How the custom	ner

		will experience t failure	he
		The specific manner or way which a failure could occur (Score 2)	by
	0	How easy it will to detect the fail	
	0	The probability of failure	of a
	Ś	Score Obtained/Total	2/2
	0	1 sample t test	
	0	HOV	
40. Which hypothesis test do we use when comparing more than two samples of normal data?	0	Regression	
	۲	ANOVA (Score 2)	
	ţ	Score Obtained/Total	2/2
	۲	Chi-square (Score 2)	
	0	Correlation	
41. When comparing different categories of defect causes to see if the proportions (percentages) have statistically significant differences, we could use thetest	0	Logistic regression	on
	0	Normality	
	ţ	Score Obtained/Total	2/2
42. Which method is used for quantifying gauge R and R repeatability and reproducibility?	۲	The ANOVA method (Score 2)	
	0	The range metho	bc
	0	The average and range method	
	0	The bias and linearity method	
out:blank	Ż	Score Obtained/Total	2/2 13/30

	0	Sequencing	
	۲	Replication (Score 2)	
43. What method is used to increase confidence level in the results of a DOE ?	0	Blocking	
	0	Randomization	
	Ú	Score Obtained/Total	2/2
	0	Negative correla	ation
	0	No correlation	
44. If the correlation coefficient is between 0.5 to 1, it means there is a	۲	Positive correla (Score 2)	tion
	0	A&B	
		Score Obtained/Total	2/2
	۲	A tool for comparing population parameters inferred from samples (Score 2)	
45. What is the best description of a hypothesis test?	0	Dissecting the d	ata
	0	Help in solving problems	
	0	Breaking up the problem	
	¢	Score Obtained/Total	2/2
46. Which hypothesis test is similar to the 1 sample t-test but is used when the data set is non-normal?	۲	1- sample (Wilcoxon) sigr (Score 2)	ned
	0	Kruskal-Wallis	
	0	Friedman	
	0	Mann-Whitney	
	Ś	Score	2/2
ut:blank			14/30

			Obtained/Total	
		۲	W. Edwards Deming (Score 2)	
		0	F. Deming Edwa	rds
	47. Who is often called the 'Father of quality control'?	0	Dennis Edwards	
		0	W. Frederick Deming	
		Ś	Score Obtained/Total	2/2
		0	OEE = availabilit performance x quality	ту х
		۲	Y = 1.5 + 2x (Score 2)	
	48. A typical linear regression equation would look like	0	S x 0 x D = RPN	
	0	All of the above		
	Ś	Score Obtained/Total	2/2	
		۲	Serious workplace accidents that cause a shutdown for more than 2 hours (Score 2)	
		0	Changes in the moods of custor every day that e ticket sales	
49. Which one of the	following would NOT be considered a COMMON CAUSE VARIATION in a process? (choose the best answer)	0	Regular daily changes in avera outside tempera that effect ice-cr sales	ature
		0	The number of o that pass a drive through fast-foo restaurant per h during the hours 12pm – 1pm eao day	e- od our s
		Ś	Score Obtained/Total	2/2

50. Which of the following activities is an example of non-	•value-added?	Rework (Score 2)	
	0	Delivery	
	0	Packing	
	0	5S	
	٢	Score Obtained/Total	2/2
	0	Mode	
	0	Muri	
51. What is the Japanese word for waste?	۲	Muda (Score 2)	
	0	Mura	
	اگا	Score Obtained/Total	2/2
	۲	Quartile (Score 2)	
	0	Mean	
52. Which of these is NOT a Measure of Central Ter	odency?	Mode	
	0	Median	
	لگا ا	Score Obtained/Total	2/2
	0	Variance	
	۲	Median (Score 2)	
53. What is the middle value in a data set when arranged in	numerical order? O	Mean	
	0	Mode	
	ال	Score Obtained/Total	2/2
54. A Lean Six Sigma Green Belt practitioner constructs a control chart to o outer limits. In such a chart, what does UCL stand		Upper Control Length	
	\odot	Upper Control Limit (Score 2)	

		Upper Cycle Limit	
	0	Upper Cycle Length	
		Score Obtained/Total	2
	0	Control limits are set by the customer	
55. Which of the following is true about Control Limits and Specification Limits?	0	Specification limits are set by the process owner	
	0	It is best practice to set Control Limits wider than Specification limits	
	۲	A suitable control chart and the right control limits will help to differentiate between special cause variation and common cause variation. (Score 2)	
	Ś	Score Obtained/Total	,
	0	The mean is 1.45 and the SD approximately 0.22 (Score 2)	
	0	The mean is 1.44 and the SD is 0.685	
56. Which one of the following statements most accurately describes the following string of numbers? 1.2, 1.4, 1.4, 1.8	0	The mean is 1.1 and the SD is about 0.4	
	۲	The mean is 1.45 and the SD is 0.827	
	ţ	Score 0/2 Obtained/Total	-
57. The p-value for a Moods Median Hypothesis test is 0.02 and the level of significance is 0.05, what decision is made?	0	Use a different test	
	0	Fail to reject null hypothesis	
	0	Cannot determine	
	۲	Reject null	

		hypothesis (Score 2)		
	¢	Score Obtained/Total	2/2	
	0	O Standard Process Charting		
	۲	Statistical Proce Control (Score 2)	ess	
58. What does SPC stand for?	0	Standard Plannir for Control	ng	
	0	System Performance Charting		
	Ś	Score Obtained/Total	2/2	
	0	Approximately 3.4 defects per 1 Millio Products		
	۲	Approximately 3.4 defects per 1 Million Defect Opportunities (Score 2)	3.4	
59. A process with a process Sigma level of 6 over the long term would be expected to produce which of the following?	0	Approximately 3.4 defects per 1 Million Success Opportunities		
	0	Approximately 3.4 defects per 1 Million Process Opportunities		
	¢	Score Obtained/Total	2/2	
60. In Lean Six Sigma, we generally consider 2 categories of variation in processes. Which of the following are the correct 2 categories?	0	Significant Variat and Practical variation	tion	
	۲	Special Cause Variation and Common Cause variation (Score 2)		
	0	Critical Cause Variation and Random Variatic	on	

	0	Significant Cause Variation and Low Variation	
	ý	Score Obtained/Total	2/2
	0	Standard Deviati (Score 0)	on
	0	Inter-quartile rar	nge
61. Which of the following could NOT be used as a measure of the variation in the output of a process ?	۲	Percent of Defectives (Score 2)	
	0	Variance	
	Û	Score Obtained/Total	2/2
	۲	10,000 (Score 2)	
62. A loan application can be rejected if any 1 of 20 fields are incorrectly entered. Therefore there are 20	0	0.01	
opportunities to create a defect. There were 20 defects found out of a sample of 100 applications received. What is the estimated value of DPMO (Defects per Million Opportunities for Defects) for this process?	0	0.2	
	0	400	
	Û	Score Obtained/Total	2/2
	0	Black Belt	
	0	Master Black Belt	
63. What is the minimum level of training recommended to be a leader of a process improvement project using the DMAIC framework ?	0	Yellow Belt	
	۲	Green Belt (Score 2)	
	Ú	Score Obtained/Total	2/2
64. Value Stream Mapping is a technique that is considered to be part of the tool-kit from which methodology?	0	Kaizen	
	۲	Lean (Score 2)	
	0	Agile	
	0	Six Sigma	
	Û		

			Score Obtained/Total	2/2
		0	Cheaper product and services	ts
		0	Buy one get one free offers	ž
		0	Best in class qua	lity
	65. Understanding "the voice of the customer" is a technique used to provide customers with :	۲	the customer	
		Ś	Score Obtained/Total	2/2
		۲	A defective product or service (Score 2)	
			A quality product service	
	66. A product or service that does not meet the expectations of the customer is called a	0	Scrap	
		0	A reworked proc or service	duct
		Ś	Score Obtained/Total	2/2
		0	Gantt Chart	
		0	O free offers O Best in class quality Image: Services and products that meets (score 2) Services and products that meets (score 2) Image: Service and products that meeds (score 2) 2/2 Image: Service and product or service and product and product or service and product and product or service and product or service and product and product and product or service and product an	i -
	67. Which of these tools attempts to quantify customer satisfaction (or dissatisfaction) based on how well (or badly) a feature of a product or service is executed ?	۲	Kano model	/
		0		
		¢		2/2
	68. It is always important to understand who is the customer of a process. Which of the following is the best definition of 'The Customer'?		supplies product services to the	ts or
	C	0		the

	۲	Anyone who receives a produc or service, or cor receive a produc of service from to process (Score 2)	uld ct
	0	People or groups who are responsi for the output of process.	ble
	Ŵ	Score Obtained/Total	2/2
	0	SMED	
	۲	Run Chart or Control Chart (Score 2)	
69. What Lean Six Sigma tool could be used to track the behavior of a process output over time?	0	Kanban	
	0	Scatter Plot	
	Ś	Score Obtained/Total	2/2
	0	Critical to Delivery (CTD)	
	۲	Cost of Poor Quality (COPQ) (Score 2)	
70. The cost of internal rejection and scrap of products is considered to be a part of which Lean Six Sigma metric?	0	Critical to Quality (CTQ)	r
	0	Critical to Process (CTP)	S
	Ú	Score Obtained/Total	2/2
71. The Lean Six Sigma concepts called 'Critical to Quality' (CTQ) and Critical to Satisfaction (CTS) focus on what part of a business process?	0	Reducing produc variation	t
	0	Reducing in-proc inventories and minimizing produ touch times	
about:blank	٢	Meeting the specific requirements an needs of the customer (Score 2)	1 d 21/30

		Reducing the standard deviation sigma) of a proc	
	Ś	Score Obtained/Total	2/2
	0	Process Sigma L	evel
	0	Yield	
72. When a Kanban signal is used correctly in a Lean process it will assist in reducing	۲	Work in Process (WIP) (Score 2)	
	0	Defects	
	Ś	Score Obtained/Total	2/2
	۲	Business case (Score 2)	
	O Project charter	Project charter	
savings achieved from running a Lean Six Sigma project is called a	0	Savings document	
	0	Project budget	
	Û	Score Obtained/Total	2/2
	0	Run Chart	
	0	Six Sigma	
74. What is the name of the technique used where a company measures its performance against that of best-in-class companies?	0	Control Chart	
	۲	Benchmarking (Score 2)	
	Û	Score Obtained/Total	2/2
75. What basic quality tools would be most applicable for a work team to use when there is a need to follow procedures and work instructions more closely?	0	Fishbone Diagra and control char	
	O Data sheets and histograms		
	0	Pareto Charts an affinity diagrams	
out:blank	۲	Standard opera instructions and	

		visual management (Score 2)	
	Ś	Score Obtained/Total	2/2
	0	Define the probl in sequential orc	
76. One of the purposes of using a fishbone diagram is to	0	Show the relationship between inputs	
	۲	Identify the potential root causes of a problem (Score 2)	
	0	Separate a problem into smaller components	
	¢	Score Obtained/Total	2/2
	0	R-charts (range within subgroups)	
	۲	I-charts (Individuals) (Score 2)	
77. Which of the following control charts would be best to use for a process in which measurement data on a product is difficult or expensive to obtain?	0	Xbar-S charts	
	0	Xbar-charts (subgroups)	
	¢	Score Obtained/Total	2/2
	۲	DOE designs (Score 2)	
	0	OFAT designs	
78. Full Factorial and Fractional Factorial are both	0	Sigma designs	
	0	Print designs	
	¢	Score Obtained/Total	2/2
experiment containing 4 factors?	0	2 x 4	
	0	K ²	

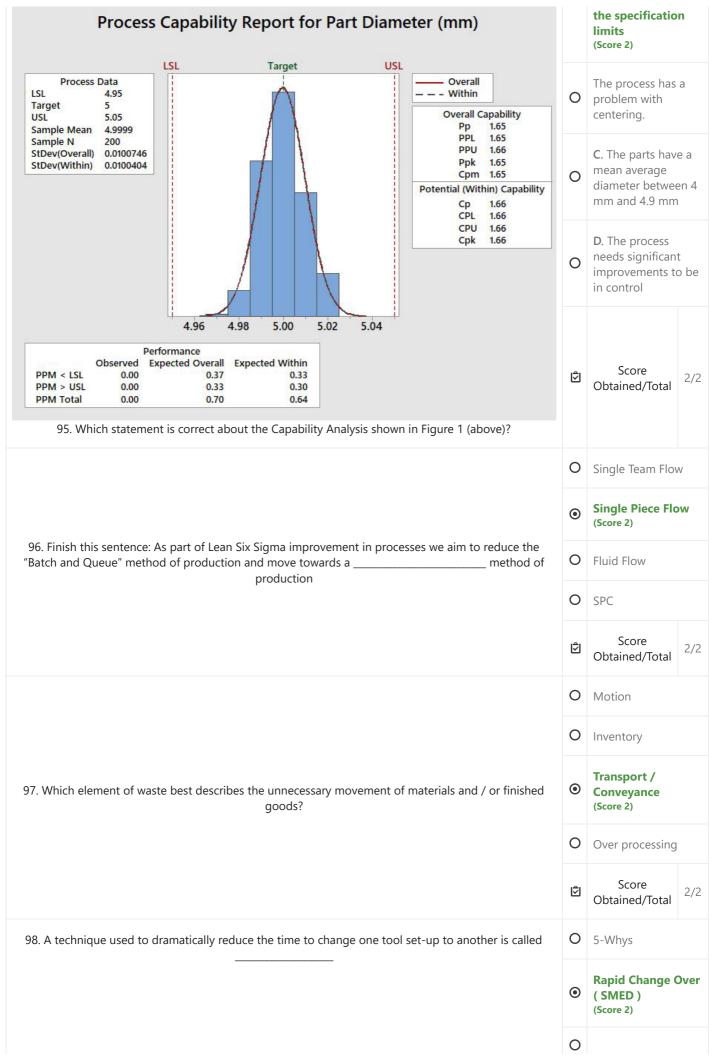
) 3 ^k	
		2 ⁴ (Score 2)	
	¢	Score Obtained/Total	2/2
80. What is an experimental factor?	0	A dependent variable	
	۲	An input variable for a designed experiment (Score 2)	
	0	A metric of a process	
	0	A standard devia	ation
	¢	Score Obtained/Total	2/2
81. A equation describes the relationship between a Response Variable (Y) and a Predictor Variable (X)?	0	D Linear	
	0	O Correlation	
	۲	Regression (Score 2)	
	0	Non-Linear	
	Ú	Score Obtained/Total	2/2
82. Which of the following statements is true about long term goals for improvement compared to short term goals?	۲	It is important to set both short ter goals and long term goals when making process improvements. (Score 2)	
	0	D Both long term and short term goals are the same.	
	0	It is more impor to meet your she term goals than long term goals.	ort
	0	Senior managen should focus mo on meeting shou	ore

		term goals than long term goals.		
		Ú	Score Obtained/Total	2/2
	0	We can be sure we have made the correct decision when the p-value is lower than the alpha level.		
	83. Which statement is most true about the 'alpha Level' of risk and the 'P-value' in a Hypothesis Test ?	0	If the p-value is high compared to the alpha level it indicates a low risk in making a decision to reject the Null Hypothesis.	
		۲	The alpha level of risk is set as a business decision and the p-value is calculated based on the measurement and analysis of sample data and the form of the hypothesis. (Score 2)	
	0	If the alpha level of risk goes up, so does the p-value.		
		Ś	Score Obtained/Total	2/2
		0	Stakeholders	
		۲	Root causes (Score 2)	
	84. Which item should NOT be identified in the Define Phase?	0	The Problem Statement	
		0	Business Case	
		Ś	Score Obtained/Total	2/2
	85. Which of the following distributions is characterized by the Empirical Rule (68 / 95 / 99.7 rule)?	0	Chi-square	
		۲	Normal (Score 2)	
		0	Student's test	

		O F statistic	
	Ś	Score Obtained/Total	2/2
86. In a brainstorming session, an effective facilitator should never:	0	Encourage the participation of all members	
	۲	Dismiss ideas ir the early stages (Score 2)	
	0	Dismiss discouraging remarks	
	0	Encourage adherence to a structure	
	Ċ	Score Obtained/Total	2/2
	۲	Available time for production divided by number of units demanded by the customer (Score 2)	
	0	Number of units demand by the customer divided by the amount of time available for production	
	0	Cycle time of a process strep divided by number of units demand by the customer	
	0	Total planned processing time minus time for unexpected stoppages.	
	Ń	Score Obtained/Total	2/2
88. How many experimental runs would be required in a full factorial design if there are and six (6) factors?	e two (2) levels O	32	
	0	12	
	۲	64 (Score 2)	

	O 6		
	Ś	Score Obtained/Total	2/2
		Skewness (Score 2)	
	0	Standard deviation	
89. Which measure of a statistical distribution relates to how much it is equally balanced on each side of the mode?	0	Kurtosis	
	0	Central tendency	
	Û	Score Obtained/Total	2/2
	۲	A pareto chart o main effects (Score 2)	of
	0	R-Squared value (Coefficient of Determination)	
	0	A regression equation	
	0	p-values	
	Û	Score Obtained/Total	2/2
91. Multiple linear regression (MLR) analysis is used in which of the following situations ?	0	Analysis of relationships between one dependent and o independent variable.	one
	0	We want to prod a graph with one and one Y axis	
	0	Analysis of a relationship between one predictor variabl and one respons variable.	
bout:blank	۲	Analysis of a lin relationship between one Y variable and mo than one X	

			variable. (Score 2)	
		Ś	Score Obtained/Total	2/2
		۲	Ho (or H0) (Score 2)	
		0	Ha (or HA)	
		0	Ну	
		0	Nu	
		ŷ	Score Obtained/Total	2/2
		0	Define and Measure	
		0	Improve and Cor	ntrol
	93. Root Cause Analysis (RCA) is an important part of which phases of DMAIC ?	۲	Measure and Analyze (Score 2)	
		0	Analyze and Improve	
		Ż	Score Obtained/Total	2/2
		0	There were 100 parts used in this capability study	2
		0	The Standard Deviation for par diameter is 0.00100746	t
	94. Which statement is correct about the Capability Analysis shown in Figure 1 (below)?	0	This distribution is Skewed.	
		۲	The upper specification lin is 5.05 mm (Score 2)	nit
		ţ	Score Obtained/Total	2/2
	Figure 1 :	۲	From this study can predict that this process will produce less tha part per million that is outside c	t I an 1



		Regression Analysis D Hypothesis Testing	
	0		
	¢	Score Obtained/Total	2/2
	0	Over production	
	0	Over processing	
99. Which of the 7 wastes identified by Taiichi Ohno describes the waste of a downstream worker who cannot continue the next step of a process until a large batch has finished processing in the upstream operation	۲	Waiting (Score 2)	
	0	Motion	
	Ś	Score Obtained/Total	2/2
	0	Catagorical Data	
	0	O Attribute Data	
	۲	Discrete Data (Score 2)	
		Continuous Data	
	ý	Score Obtained/Total	2/2

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