

DUMPS ARENA

IASSC Lean Six Sigma – Black Belt

Six Sigma ICBB

Version Demo

Total Demo Questions: 15

Total Premium Questions: 324

Buy Premium PDF

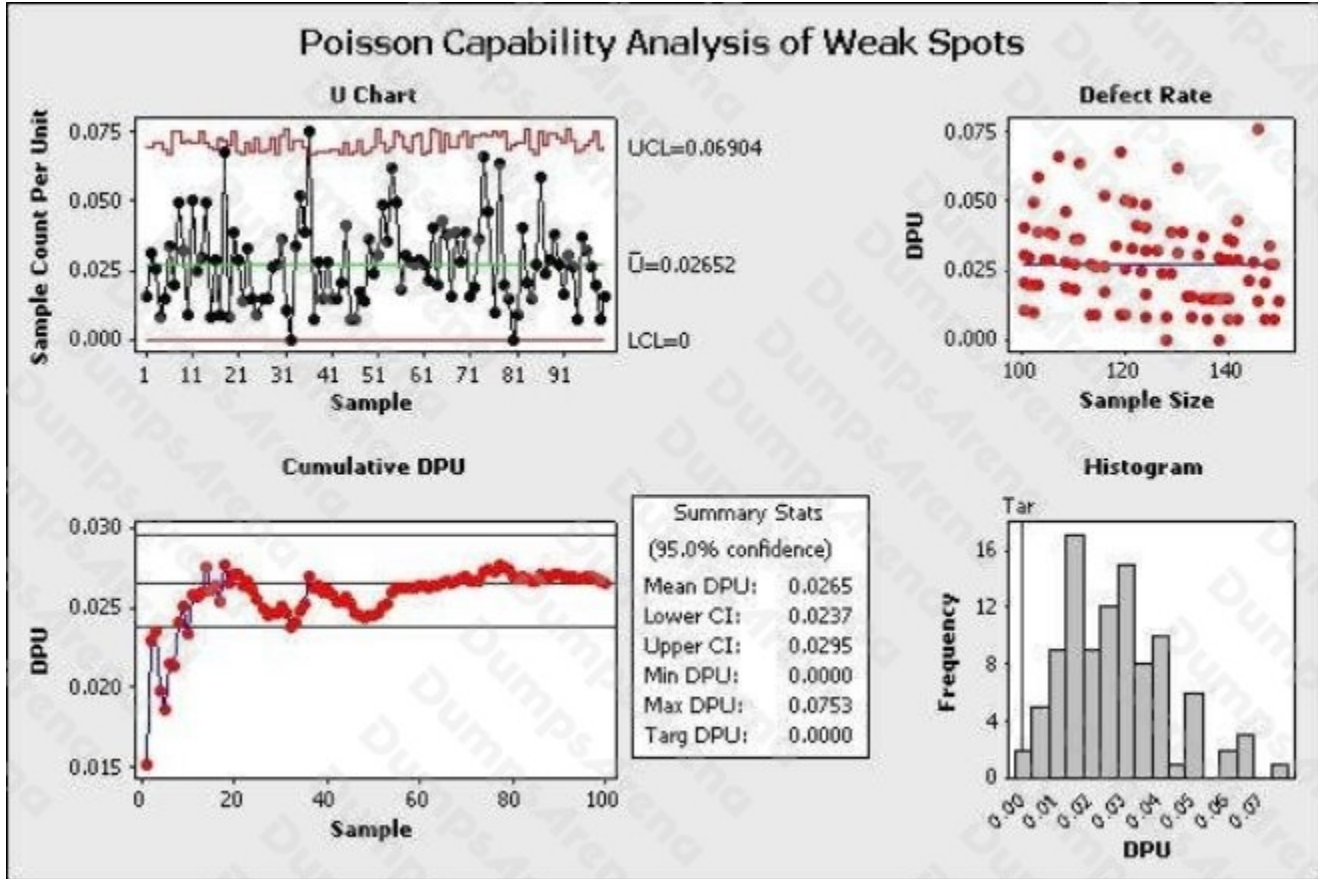
<https://dumpsarena.co>

sales@dumpsarena.co

sales@dumpsarena.co
dumpsarena.co

QUESTION NO: 1

Which statements are correct about the advanced Capability Analysis shown here? (Choose three.)



- A. This is a Poisson Capability Analysis.
- B. The average DPU with 95% confidence is between 0.024 and 0.0295.
- C. The DPU does not seem to vary depending on sample size.
- D. The process shows only one instance of being out of control statistically so we have confidence in the estimated DPU of this process.
- E. The maximum DPU in one observation was nearly 0.0753.

ANSWER: B C E

QUESTION NO: 2

Which statement(s) are incorrect for the Regression Analysis shown here? (Choose two.)

Regression Analysis: Turbine Output versus Air-Fuel Ratio, % steam, ...

The Regression Equation is

$$\text{TurbineOutput} = 16.5 + 3.21 \text{ Air-Fuel Ratio} + 0.386 \% \text{ methane} + 0.0166 \text{ SteamExitTemp}$$

Predictor	Coef	SE Coef	T	P
Constant	16.488	2.918	5.65	0.000
Air-Fuel Ratio	3.2148	0.2377	13.52	0.000
% methane	0.38637	0.07278	5.31	0.000
SteamExitTemp	0.016576	0.004273	3.88	0.004

S = 0.508616 R-Sq = 98.6% R-Sq(adj) = 98.2%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	170.003	56.668	219.06	0.000
Residual Error	9	2.328	0.259		
Total	12	172.331			

Source	DF	Seq SS
Air-Fuel Ratio	1	159.048
% methane	1	7.062
SteamExitTemp	1	3.892

- A. The air-fuel ratio explains most of the TurbineOutput variation
- B. The Regression explains over 98% of the process variation
- C. This Multiple Linear Regression has three statistically significant independent variables
- D. If the air-fuel ratio increases by 1, the TurbineOutput more than triples
- E. The SteamExitTemp explains the most variation of the TurbineOutput

ANSWER: D E

QUESTION NO: 3

Based on the data given below, which of the following control charts would you like to use to devise a control mechanism?

Day	Number of reports to be delivered	Number of reports delivered on-time
1	500	495
2	550	543
3	625	618
4	700	692
5	550	544
6	450	446
7	525	520
8	620	614
9	475	471
10	575	570

- A. p
- B. np
- C. c
- D. u

ANSWER: A

QUESTION NO: 4

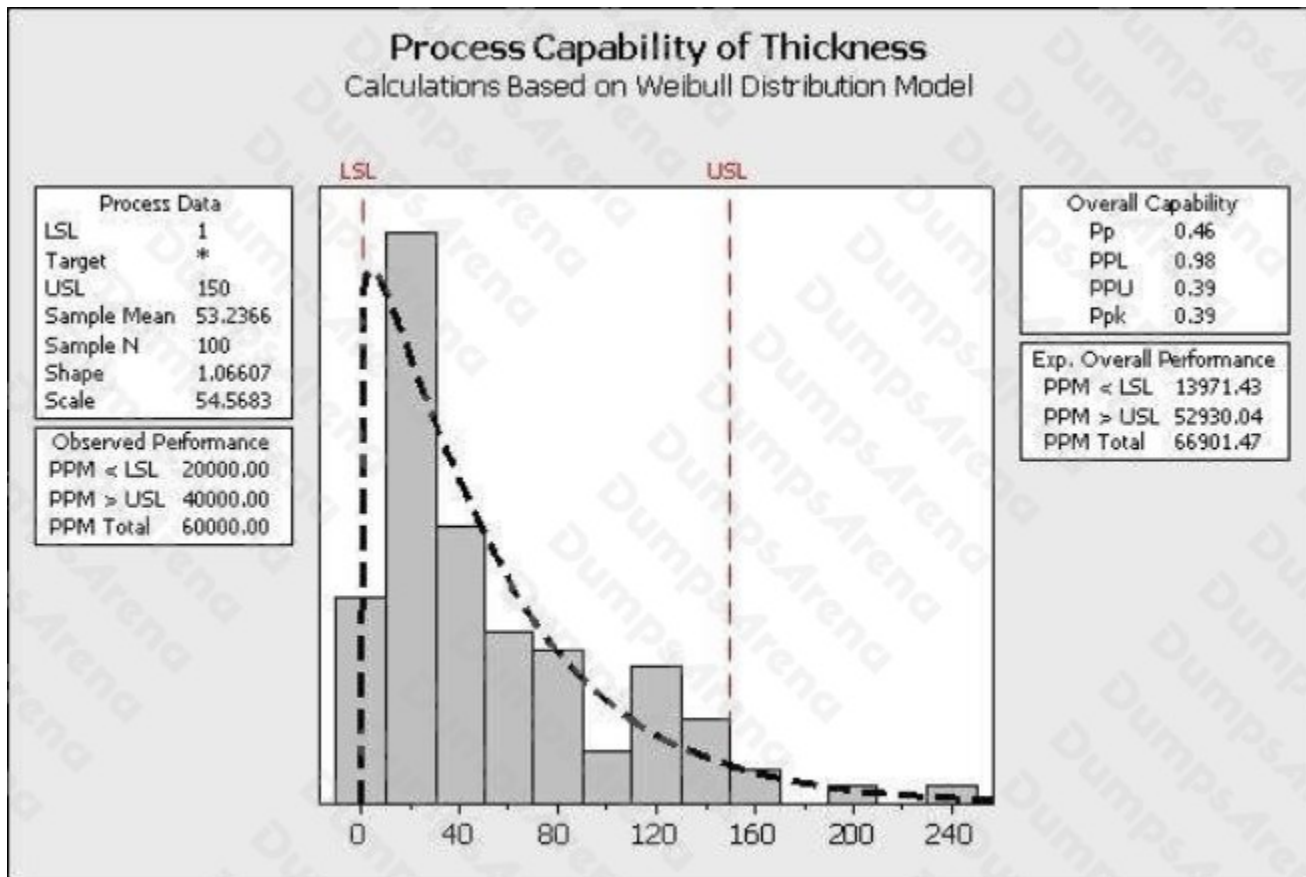
Which of the following is not a product quality dimension?

- A. Serviceability
- B. Reliability
- C. Responsiveness
- D. Durability

ANSWER: C

QUESTION NO: 5

Review the analysis shown here.



Which statements are true about the process? (Choose three.)

- A. The initial focus for this project would be to determine why the thicknesses are so frequently too low.
- B. The majority of the process is closer to the lower specification limit.
- C. This process is described with the Weibull Distribution.
- D. The process has more problems with Variation than Centering.
- E. The process follows a non-normal distribution with the given data.

ANSWER: B D E

QUESTION NO: 6

_____ chart is used to count data (defects) with variable sub groups.

- A. np chart
- B. u chart
- C. X-bar and S chart

D. c chart

ANSWER: C

QUESTION NO: 7

When a Belt conducts a Linear Correlation Analysis and finds that as an X increases the Y also increase then he has proven a _____ correlation.

- A. Negative
- B. Positive
- C. Monomial
- D. Single alignment

ANSWER: B

QUESTION NO: 8

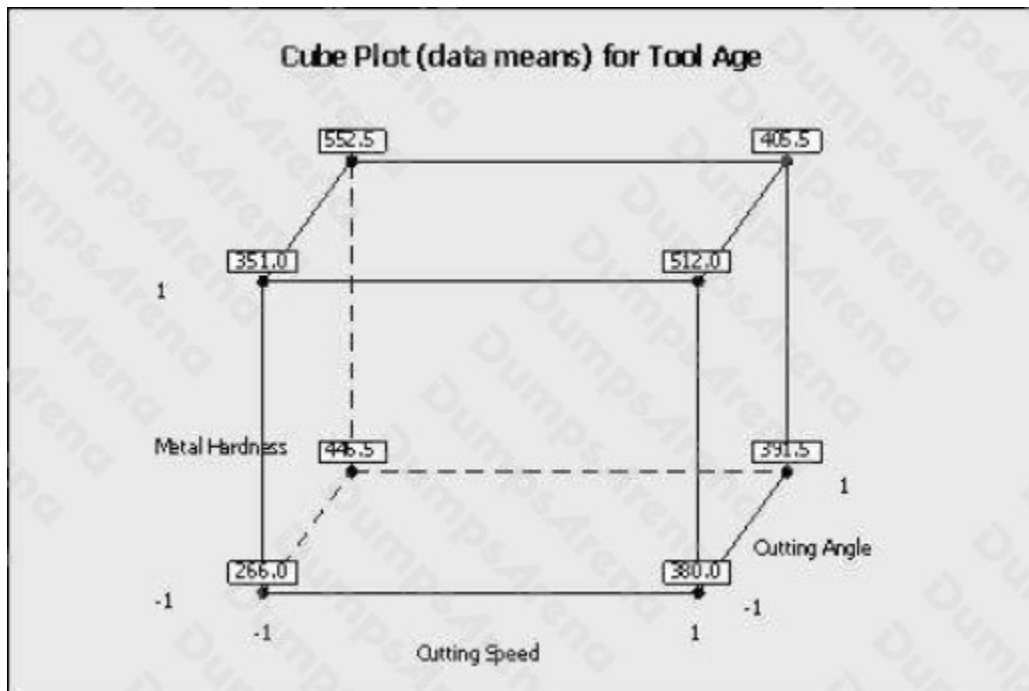
The Mann-Whitney test is a powerful test and is unique to situations from which of the choices listed? (Choose two.)

- A. Testing the identity of two populations
- B. Focuses on equality of the Median of the two populations
- C. Less powerful than the traditional "t-test"
- D. More widely applicable than the traditional "t-test"

ANSWER: B D

QUESTION NO: 9

Which statement(s) are correct about the Factorial Plot shown here? (Choose three.)



- A. When the cutting speed increased from low to high level, the tool age increases
- B. The coefficient of the metal hardness is positively related to the output of tool age
- C. The coded coefficient is lower for cutting speed than the cutting angle related to the output of tool age
- D. These plots prove a statistically significance factor with 95% confidence
- E. These plots are an example of interaction plots

ANSWER: A B C

QUESTION NO: 10

Which of the following is true?

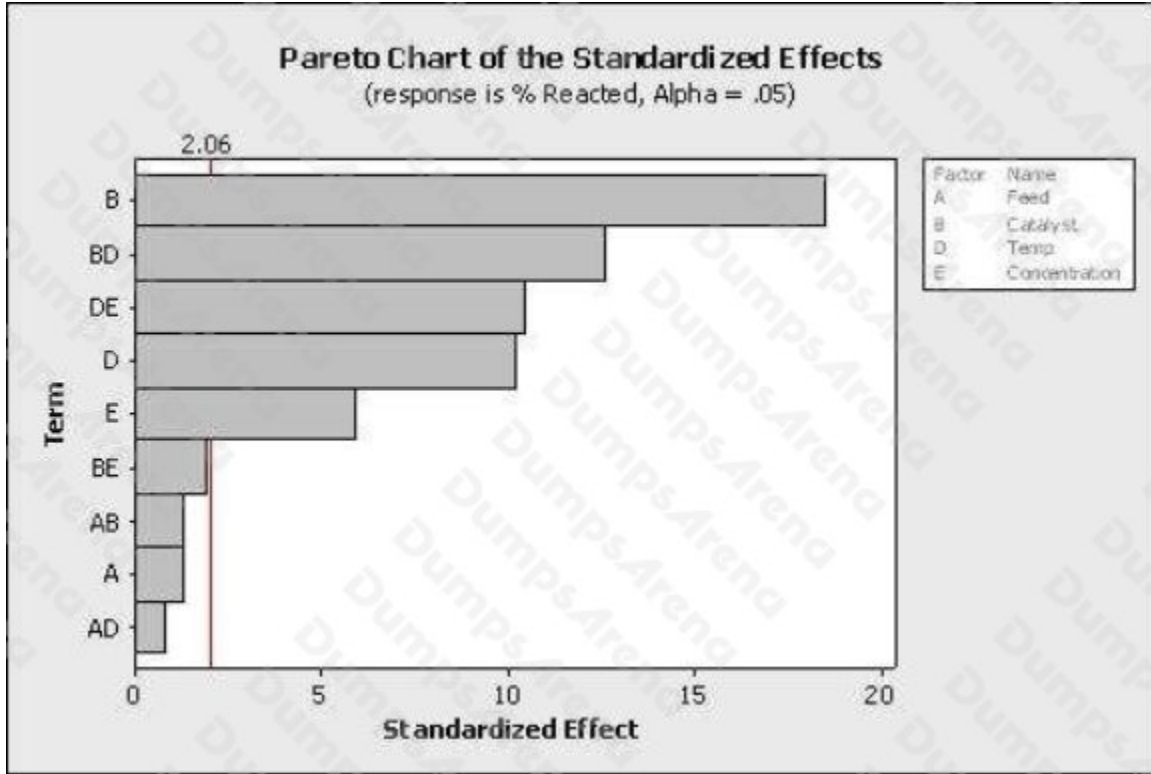
- A. Defects and defectives are identical
- B. A defective unit contains only one defect
- C. A defective unit can contain more than one defect
- D. Defects and defectives are two completely different concepts

ANSWER: C

QUESTION NO: 11

Which statement(s) are correct about the Pareto Chart shown here for the DOE analysis?

(Choose two.)



- A. It is unknown from this graph how many factors were in the Experimental Design
- B. The factors to keep in the mathematical model are E, D, DE, BD and B with an alpha risk equal to 2.06
- C. The effects to keep in the mathematical model are E, D, DE, BD and B with an alpha risk equal to 0.05
- D. The factors to keep in the mathematical model with a 5% alpha risk are BE, AB, A and AD

ANSWER: A C

QUESTION NO: 12

Each of the items listed would impact the Process Capability for a process with a continuous output except _____.

- A. Shape of process data distribution (e.g. Normal Distribution)
- B. Process Technology
- C. Process Standard Deviation

D. Seasonal variation in process

ANSWER: B

QUESTION NO: 13

When a Belt creates a Process Map she will use a _____ to depict a decision point requiring a Yes or No decision.

- A. Circle
- B. Square
- C. Diamond
- D. Rectangle

ANSWER: C

QUESTION NO: 14

Which of the following activities comes under the 'design' category of the business process management?

- A. Identification of current business process
- B. Introduction of different variables for the designs
- C. Evaluation of actual performances of the processes
- D. Extraction of data related to the performances of the processes

ANSWER: A

QUESTION NO: 15

The English words used for the 5S's are Sorting, Straightening, _____ , _____ and Sustaining. (Choose two.)

- A. Shaping
- B. Shining
- C. Standardizing
- D. Signing

ANSWER: B C