



ASQ CSSBB Practice Questions

Shared by Shannon on 28-10-2026

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Question 1

Question Type: MultipleChoice

A population of size 1,000,000 has mean 42 and standard deviation 6. Sixty random samples, each of size 15 are selected. According to the Central Limit Theorem the distribution of the sixty sample means has a mean of approximately:

Options:

- A- 42
- B- 42/6
- C- 42/15
- D- 42/ 15
- E- none of the above

Answer:

A

Question 2

Question Type: MultipleChoice

An assembly line has 3 3 squares painted behind each person. Signs indicate the parts and quantities that should be placed there. This is an example of:

Options:

- A- visual factory
- B- kanban
- C- poka-yoke
- D- standard work
- E- set up time reduction (SMED)

Answer:

B

Question 3

Question Type: MultipleChoice

Find the value of (3) in the ANOVA table.

Assume:

$$\alpha = 0.10:$$

ANOVA Table

Source	SS	df	MS	F ratio	F crit	P-value
x	1.48	1	(1)	(2)	(3)	(4)
Y	18.6	1	(5)	(6)	(7)	(8)
xxY	12.2	1	(9)	(10)	(11)	(12)
Error	2.1	4	(13)			

Options:

- A- 16.4
- B- 3.2
- C- 18.6
- D- 23.2
- E- 4.54
- F- 12.2
- G- 0.525
- H- 2.82
- I- 1.48
- J- 35.4
- K- $0.10 < P < 1$
- L- $0.05 < P < 0.10$
- M- $0.01 < P < 0.05$
- N- $0.005 < P < 0.01$
- O- $0 < P < 0.005$

Answer:

E

Question 4

Question Type: MultipleChoice

If the value of the test statistic had been 7.03, what action should have been taken regarding the null hypothesis?

Options:

- A- rejected
- B- accepted
- C- not rejected
- D- repeating a test with the same factor levels

Answer:

A

Question 5

Question Type: MultipleChoice

This QFD matrix was used in the design process for a ball point pen.

Key: Strong= ⊕ Moderate= ● Weak= △	Barrel design	Cartridge design	Ink material	Clip design			
	1	2	3	4			
	5	6	7	8			
	9	10	11	12			
	13	14	15	16			
	17	18	19	20			
Inexpensive							
Leak proof							
Won't smear							
Easy to grip							
Clip won't break							

What symbol is appropriate for the square labeled 3?

Options:

A- Option A



B- Option B



C- Option C



D- the material manager should be asked to go back to the previous raw material so the charts will more accurately reflect the process

Answer:

B

Question 6

Question Type: MultipleChoice

This QFD matrix was used in the design process for a ball point pen.

Key: Strong= ● Moderate= ○ Weak= △	Barrel design	Cartridge design	Ink material	Clip design			
	1	2	3	4			
	5	6	7	8			
	9	10	11	12			
	13	14	15	16			
	17	18	19	20			
Inexpensive							
Leak proof							
Won't smear							
Easy to grip							
Clip won't break							

What symbol is appropriate for the square labeled 1?

Options:

A- Option A

☐

B- Option B

☐

C- Option C

☐

D- the material manager should be asked to go back to the previous raw material so the charts will more accurately reflect the process

Answer:

B

Question 7

Question Type: MultipleChoice

As opposed to earlier emphases lean manufacturing tends to stress:

Options:

A- making value added activities more efficient

B- eliminating, simplifying or reducing non-value added activities

Answer:

B

Question 8

Question Type: MultipleChoice

The following is a set of individual measurements:

3 5 4 5 6 3 4 3 2 4 5 6 5 7 6 4 5 5 8 7 6 6 7 7 4

Find the control limits for the individuals chart.

Options:

- A- .7 and 11.2
- B- 1.6 and 8.6
- C- 2.7 and 7.5
- D- Pareto chart

Answer:

D

Question 9

Question Type: MultipleChoice

Find the average difference $\bar{d}$.

Document #	Time Req'd, sec	
	Ptr #1	Ptr#2
1	4.2	3.9
2	5.6	5.5
3	2.8	2.9
4	7.1	6.7
5	11.5	11.0
6	8.2	8.1
7	12.3	11.8
8	13.5	13.0

Options:

A- 0.2875

B- 0.3502

C- 0.2714

D- 0.2295

Answer:

A



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