

Unit 3 - Week 1

Course outline

How to access the portal

WEEK 0

Week 1

- Introduction to DfX
- Introduction to Quality
- Introduction to Robustness
- Introduction to Six Sigma Concept

- WEEK 1 - FEEDBACK - Design for Quality, Manufacturing and Assembly

- Quiz : Assignment 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

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Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-08-14, 23:59 IST.

1) Genichi Taguchi related quality loss to:

1 point

- loss of customer
- loss of manufacturer
- loss of society
- all of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
all of these

2) What is the mean and standard deviation for the following data?
[1, 1, 2, 2, 3, 3]

1 point

- 3, 1.82
- 2, 0.86
- 3, 0.86
- 2, 1.82

No, the answer is incorrect.
Score: 0

Accepted Answers:
2, 0.86

3) Which type of uncertainty presents itself in 'flipping a fair coin'?

1 point

- Epistemic
- Aleatoric
- Both a&b
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Aleatoric

4) If the mean of diameters of a ring is 2.5cm with standard deviation of 0.05cm. What will be the corresponding Z score for the ring with diameter 3?

1 point

- 10
- 15
- 10
- 50

No, the answer is incorrect.
Score: 0

Accepted Answers:
10

5) Process A for manufacturing piston rings is not a 6-sigma process currently. Company wants to make it a 6-sigma process with the same limits of tolerances. Then, the company should _____ standard deviation of the process

1 point

- Decrease
- Increase
- Maintain the same
- Need more data

No, the answer is incorrect.
Score: 0

Accepted Answers:
Decrease