

Unit 10 - Week 8

Course outline

How to access the portal

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Week 8

 High Speed and Robotic Assembly Sheet Metal Working Overview of DoE Workflow DFA Software DFM Software & Case Studies Week 8 Feedback : Design for Quality, Manufacturing and Assembly Quiz : Assignment 8

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Live sessions

Assignment 8

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

Due on 2019-09-25, 23:59 IST.

1) In an automatic assembly, ease of part handling is same as ease of part insertion. **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) The rate at which machine A cycles is twice that of machine B. For otherwise, identical conditions, the cost of feeding a part to machine A is _____ machine B. **2 points**

- Half of
 Four times
 Twice
 Equal to

No, the answer is incorrect.
Score: 0

Accepted Answers:
Twice

3) An assembly procedure using automatic assembler has a required feed rate of 60 parts/min. The maximum feed rate of the assembler is 30 parts/min and two feeders were used. What happens to the cost of feeding per part? **3 points**

- Twice compared to using one feeder at maximum feed rate
 Half compared to using one feeder at maximum feed rate
 Equal to using one feeder at maximum feed rate
 Cannot be determined

No, the answer is incorrect.
Score: 0

Accepted Answers:
Equal to using one feeder at maximum feed rate

4) Stratification prohibits design space exploration compared to orthogonal designs **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

5-7. The 3-digit code for a part is given as 840. Answer the following questions. **1 point**

5) The part is of _____ type **1 point**

- Short cylinder
 Flat
 Cubic
 Cannot be determined

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cubic

6) Which of the following is true? **1 point**

- Part has no symmetry
 Part has alpha-symmetry
 Part has beta-symmetry
 Cannot be determined

No, the answer is incorrect.
Score: 0

Accepted Answers:
Part has no symmetry

7) What is the maximum feed rate? **1 point**

- 8.5 parts/min
 7.5 parts/min
 2.5 parts/min
 Cannot be determined

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cannot be determined