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NPTEL

Courses » Sustainability through Green Manufacturing Systems: An Applied Approach

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Unit 2 - Week 0

Course outline

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Week 0

○ Quiz : Assignment 0

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Assignment 0

The due date for submitting this assignment has passed.
As per our records you have not submitted this   **Due on 2018-08-26, 23:59 IST.**
assignment.

1) A system was designed to produce 20 units as output. While operating the system, the   **2 points**
   operator observed that system produces 16 units. What is the efficiency of the system ?

   ○ 20%

   ○ 80%

   ○ 70%

   ○ 60%

   No, the answer is incorrect.
   Score: 0

   Accepted Answers:
   80%

2) The aim of the sustainable development is to achieve the same output quantity with less   **2 points**
   input resources and reduced environment impact.
   Is the above statement true or false ?

   ○ True

   ○ False

   No, the answer is incorrect.
   Score: 0

   Accepted Answers:
   True

3) The quantity of waste (in kg) produced by a machine in each hour for a 8 hour shift is   **2 points**
   given below:
   9, 10, 11, 7, 12, 6, 9, 10
   What is the average amount of waste produced by the machine ?

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Score: 0

Accepted Answers:

9.25 kg

4) The quantity of waste (in kg) produced by a machine in each hour for a 8 hour shift is   **2 points**
    given below:
    9, 10, 11, 7, 12, 6, 9, 10
    What is the median of this data ?

    ○ 9.5

    ○ 9

    ○ 10

    ○ 10.25

No, the answer is incorrect.
Score: 0

Accepted Answers:

9.5

5) The quantity of waste (in kg) produced by a machine in each hour for a 8 hour shift is   **2 points**
    given below:
    9, 10, 11, 7, 12, 6, 9, 10
    What is the the standard deviation of this data ?

    ○ 2.32

    ○ 1.25

    ○ 0.87

    ○ 1.85

No, the answer is incorrect.
Score: 0

Accepted Answers:

1.85

End ▶