Assignment 8

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

Due on 2018-10-24, 23:59 IST.

1) “A system is considered as sustainable when it is resilient”
The above statement is:

- [ ] True
- [x] False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

2) According to sustainability principle to sustainability engineering practices, a system is 'social' means:

- [ ] Creation and existence of the system is consistent with public policy
- [ ] System is and continues to be acceptable to those affected by the system
- [x] System is affordable
- [ ] System meets user needs

No, the answer is incorrect.
Score: 0
Accepted Answers:
System is and continues to be acceptable to those affected by the system

3) Two six faced fair dice was rolled together 7 times. The sum of their outcome are as follows:

{5, 9, 7, 6, 3, 8, 11}. What is the median of the outcomes?

- [ ] 6
- [ ] 7
- [x] 8
- [ ] 9

No, the answer is incorrect.
Score: 0
Accepted Answers:

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4) What is the mean and variance of the data provided in the previous question? 
   2 points
   - Mean=7, Variance=6
   - Mean=7, Variance=7
   - Mean=7, Variance=8
   - Mean=7, Variance=5
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Mean=7, Variance=6

5) Refer to the machining data available at the URL: https://drive.google.com/open?id=123MIIKOlBDN4bCJvPMyaY4QtQzLEhQT
   What is the percentage saving in overall energy in using MQL over flood methodology for machining in this case? 
   2 points
   - 4 %
   - 3 %
   - 2 %
   - 1 %
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   2 %

6) Refer to the machining data available at the URL: https://drive.google.com/open?id=123MIIKOlBDN4bCJvPMyaY4QtQzLEhQT
   What is the overall percentage saving in cutting fluid for using MQL over flood methodology for machining in this case? 
   2 points
   - 87.2%
   - 90.1%
   - 83.9%
   - 95.6%
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   87.2%