Assignment 3

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

1. a) The rules used in mating components during sliding wear are as
   - Anti-wearness paint
   - Coating
   - Flute
   - Damping

   Accepted Answers:
   - All above
   - Coating
   - Flute
   - Damping

2. a) Pipes used in steam power plants are designed by considering
   - Corrosion resistance
   - Thermal stress
   - Creep strength
   - All of above

   Accepted Answers:
   - All of above

3. a) Failure mode and effects analysis (FMEA) considers
   - Causes of failure and their detection
   - Geometrical failures
   - Severity of failure
   - All of above

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - All of above

4. a) Pareto diagram is based on principle of
   - 20% of failures occur due to 50% of causes
   - 80% of failures occur due to 20% of causes
   - 80% of failures occur due to 80% of causes
   - 80% of failures occur due to 60% of causes

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - 80% of failures occur due to 20% of causes

5. a) In a box of Pahlavan diagrams for failure analysis, the major causes, minor causes and the failure are given by

   Accepted Answers:
   - C. A and C respectively
   - B. A and A respectively
   - A. B and C respectively
   - C. A and B respectively

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - A. B and C respectively

6. a) After FMEA diagram analysis
   - Action is taken on significant minor causes from the majority of causes
   - Action is taken on all minor causes
   - Quantitative analysis is performed to identify severity of each major cause
   - Quantitative analysis is performed to identify severity of each minor cause

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - Action is taken on significant minor causes from the majority of causes

7. a) FMEA can be implemented during
   - Product design stage
   - Redesigning of existing design
   - Assessment of feasibility of existing product under new set of conditions
   - All of above

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - All of above

8. a) If PFAA is terminated due to fracture toughness becomes difficult then PNF
   - Increases
   - Decreases
   - Unpredictable
   - None of above

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - Increased

9. a) PFAA is carried out until
   - An unshakable event is identified
   - The undesirable events are identified
   - The AIE gates are reached
   - When undesirable or unshakable events are identified

   No, the answer is incorrect. Score: 0

   Accepted Answers:
   - When undesirable or unshakable events are identified

10. a) In FMEA, the most commonly used rating scale is
    - 6-1
    - 7-1
    - 1-7
    - 1-6

    No, the answer is incorrect. Score: 0

    Accepted Answers:
    - 1-7