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Unit 5 - Week 4

Assignment No. 4

The due date for submitting this assignment has passed. Due on 2019-08-28, 23:59 IST.
As per our records you have not submitted this assignment.

1) Crushing of abrasive particles occurs during ***1 point***

- Low stress three body abrasion
- Open two body abrasion
- Erosive wear
- High stress three body abrasion

No, the answer is incorrect.
Score: 0
Accepted Answers:
High stress three body abrasion

2) Gouging wear involves ***1 point***

- Abrasion and impact of abrasive particles
- Only impact of abrasive particles
- Crushing of abrasive particles
- Diffusion of elements from abrasive particles

No, the answer is incorrect.
Score: 0
Accepted Answers:
Abrasion and impact of abrasive particles

3) Work hardening behavior of materials in ascending order will be ***1 point***

- Ag, Fe, Co, Al
- Al, Fe, Co, Ag
- Ag, Al, Fe, Co
- Al, Fe, Ag, Co

No, the answer is incorrect.
Score: 0
Accepted Answers:
Ag, Al, Fe, Co

4) Attrition of tough/strong abrasives indicates **1 point**

- High wear of abrasives
- No wear of abrasives
- Gradual wear of abrasives
- Creation of sharp edges of abrasives

No, the answer is incorrect.
Score: 0
Accepted Answers:
Gradual wear of abrasives

5) Factor affecting erosive wear is **1 point**

- Angle of impact
- Particle size & shape
- Mechanical properties of substrate material
- All of the above

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

6) High erosive wear in brittle material is caused by **1 point**

- High impact angle & low velocity
- Low impact angle & high velocity
- High impact angle & high velocity
- Low impact angle & low velocity

No, the answer is incorrect.
Score: 0
Accepted Answers:
High impact angle & high velocity

7) Wear rate will be maximum in **1 point**

- Mild oxidation wear
- Severe oxidation wear
- Delamination wear
- Melt wear

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

8) Surface layer damage due to impingement of high pressure waves through bursting of bubbles is known as **1 point**

- Corrosion
- Erosion
- Abrasion
- Cavitation

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cavitation

9) Diffusive wear occurs when there is **1 point**

- Sufficient time
- High temperature
- Direct metallic intimacy
- All of the above conditions

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above conditions

10) Chemistry of damaged surface during adhesive wear of steels can be evaluated by **1 point**

- XRD analysis
- LVDT
- EPMA/EDAX
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
EPMA/EDAX