Assignment 7

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

1. The advantage of using flexible abrasive brush over the static one is
   a. Shifting of abrasive particles
   b. More number of cutting edges possible for cleanup
   c. Can operate at high speeds
   d. Both a and b
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   b. More number of cutting edges possible for cleanup
   
2. Metallurgy is a science of
   a. Metal dynamics
   b. Form and deformation of solids
   c. Deformation of solids
   d. Fluid behaviour under external pressure
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   b. Form and deformation of solids
   
3. Which one of the following is not an important element of the AFT process?
   a. Medium
   b. Feeding
   c. Volume of hydraulic oil
   d. Machine setup
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   b. Feeding
   
4. As a particular simulation pressure, the plasticizer content in AFT medium increases, the strain rate
   a. Increases
   b. Decreases
   c. Increases first and then decreases
   d. These are independent of plasticizer content
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   a. Increases
   
5. Which of the following finishing techniques result in sub-micron level surface roughness?
   a. Shot blast machining
   b. Magnetic abrasive finishing
   c. Electrochemical machining
   d. All of the above
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   d. All of the above
   
6. A long flexible magnetic abrasive brush is used in finishing of
   a. Ferro-magnetic materials
   b. Non-ferro-magnetic materials
   c. Parts depending on type of material
   d. Non magnetic materials
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   c. Parts depending on type of material
   
7. Which of the following statements is correct with respect to Abrasive Flow Finishing?
   a. Final time is responsible for indentation
   b. Radial force is responsible for shaving of roughness peaks
   c. The velocity in the radial direction of media is higher than the axial velocity
   d. None of these
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   b. Radial force is responsible for shaving of roughness peaks
   
8. After finishing with abrasive flow finishing techniques, the machined surface comprises of
   a. Rectile layer
   b. Compressive residual stresses
   c. Tensile residual stresses
   d. Removed grain structure
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   b. Compressive residual stresses
   
9. Which of the following velocity of AFT process is used for finishing blind holes?
   a. Very – High AFT process
   b. High AFT process
   c. A low – AFT process
   d. Both a and c
   e. No, the answer is incorrect. Score: 0
   Accepted Answers:
   a. Very – High AFT process
   
10. Which one of the following is not a machine related parameter in AFT process?
    a. Number of cycles
    b. Magnetic force
    c. Surface velocity
    d. Orientation pressure
    e. No, the answer is incorrect. Score: 0
    Accepted Answers:
    b. Magnetic force

DUE on 2020-03-18, 23:59 IST.