Unit 14 - Week 12 - Metal Forming Processes

Assignment 12

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

Due on 2020-04-22, 23:59 IST.

1) Metal forming is a result of _________ of the aзéàçììéé.
   - Plastic deformation
   - Elastic deformation
   - Fracture
   - Heat treatment
   No, the answer is incorrect.
   Source: 1
   Accepted Answer: Plastic deformation

2) Elastic deformations of a solid are observed:
   - Before fracture point
   - Before yield point
   - Before necking point
   - None of the above
   No, the answer is incorrect.
   Source: 2
   Accepted Answer: Before yield point

3) Which of the following metal forming processes is best suitable for making the wires?
   - Forging
   - Extrusion
   - Drawing
   - Rolling
   No, the answer is incorrect.
   Source: 3
   Accepted Answer: Drawing

4) Which of the following processes is not the type of metal forming process?
   - Extrusion
   - Ingot moulding
   - Forging
   - Drawing
   No, the answer is incorrect.
   Source: 4
   Accepted Answer: Ingot moulding

5) Which of the following is the best suited explanation for Tresca’s yield criteria?
   - Plastic flow will take place when the maximum shear stress exceeds the critical value.
   - Plastic flow will take place when minimum shear stress is reached.
   - Plastic flow will take place when maximum shear stress is reached.
   - Plastic flow will take place when maximum shear stress exceeds the critical value.
   No, the answer is incorrect.
   Source: 5
   Accepted Answer: Plastic flow will take place when maximum shear stress exceeds the critical value.

6) In a two-high rolling process, what is the direction of rolling of the two-rollers?
   - Clockwise-clockwise
   - Anticlockwise-anticlockwise
   - Stationary-clockwise
   - Anticlockwise-clockwise
   No, the answer is incorrect.
   Source: 6
   Accepted Answer: Anticlockwise-clockwise

7) Which among the following is not a type of extrusion process?
   - Direct extrusion process
   - Indirect extrusion process
   - Stepping extrusion process
   - All of the above are correct.
   No, the answer is incorrect.
   Source: 7
   Accepted Answer: Stepping extrusion process

8) Which of the following is true for fused deposition modeling?
   - It’s a surface finishing process.
   - It’s an additive manufacturing process.
   - It’s a batch machining process.
   - All of the above
   No, the answer is incorrect.
   Source: 8
   Accepted Answer: It’s an additive manufacturing process.

9) Staining/etching uses ______ for selecting monomers.
   - Heated platform
   - Hot stream of water
   - UV laser
   - Any of the above.
   No, the answer is incorrect.
   Source: 9
   Accepted Answer: UV laser

10) Selective Laser Sintering utilizes _______ for fabrication process.
    - Small material rods
    - Continuous layer of powder
    - Material slabs
    - None of the above.
    No, the answer is incorrect.
    Source: 10
    Accepted Answer: Continuous layer of powder