Assignment 1

The due date for completing this assignment has passed. As per our normal practice you have not submitted this assignment.

1. Which of the following types of forces is applied in sheet metal forming process?
   - Indirect compression type of force
   - Direct compression type of force
   - Tension type of force
   - Shearing type of force

2. A used in sheet metal forming:
   - Multiplication of normal and shearing stress of the body
   - Division of normal and shearing stress of the body
   - Formation of normal and shearing stress of the body
   - Subtraction of normal and shearing stress of the body

3. What is the following type of stress?
   - Tension type of force

4. True stress acting on a body is the:
   - Division of normal and shearing stress of the body
   - Multiplication of normal and shearing stress of the body
   - Formation of normal and shearing stress of the body
   - Subtraction of normal and shearing stress of the body

5. Which of the following type of force is applied for sheet metal forming applications?

6. Indirect compression type of force
   - Direct compression type of force
   - Tension type of force
   - Shearing type of force

7. Which of the following is true for sheet metal forming process?
   - Material flow in sheet metal forming process is hindered below the redemetalization temperature
   - Surface finish and tolerances are not critical to cold working processes because of surface reactions (oxidation, etc)
   - Deformation forces are low
     - Only if it is hot
     - Both if it is hot and cold
     - Neither if it is hot nor cold

8. Which of the following statement is true for cold working process?
   - Both if it is hot and cold
   - Neither if it is hot nor cold
   - Material flow in sheet metal forming process is hindered below the redemetalization temperature
   - Surface finish and tolerances are not critical to cold working processes because of surface reactions (oxidation, etc)

9. The effect of plastic deformation on recovery of original dimensions of the body is possible only when:
   - Plastic deformation is controlled
   - Elastic deformation is controlled
   - Plastics deformation is controlled
   - Mechanical deformation is controlled

10. Which of the following statement is correct for sheet metal forming process?
    - Material flow in sheet metal forming process is hindered below the redemetalization temperature
    - Surface finish and tolerances are not critical to cold working processes because of surface reactions (oxidation, etc)

11. Which of the following statement is correct for plastic and elastic behavior of material?
    - If incase of plastic deformation of material, recovery of original dimensions of the body is possible only when the load is removed
    - In case of plastic behavior of material beyond the elastic limit permanent set of deformation is experienced even after removal of load

12. When and if only:
    - Only if it is hot and cold
    - Cold if it is not hot
    - Both if it is hot and cold
    - Neither if it is hot nor cold

DUE ON: 2019-09-14, 23:59 IST