Assignment No. 7

The due date for submitting this assignment has passed. Due on 2019-09-18, 23:59 IST. As per our records you have not submitted this assignment.

1) Lower penetration is required for shearing the sheet of
   - Harder and thicker metal
   - Softer and thinner metal
   - Harder and thinner metal
   - Softer and thicker metal
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Harder and thinner metal

2) The operation used for making impressions on decorative items is
   - Ironing
   - Coining
   - Drawing
   - Spinning
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Coining

3) Secondary shear in sheet metal cutting operations occurs due to
   - Too tight clearance

https://onlinecourses.nptel.ac.in/noc19_me44/unit?unit=47&assessment=107

Lecture 34: Metal Working Processes: Dies and Die sets (unit?unit=47&lesson=51)

Lecture 35: Material Removal Processes: Machining (unit?unit=47&lesson=52)

Quiz : Assignment No. 7 (assessment?name=107)

Solution for Assignment No. 7 (unit?unit=47&lesson=126)

Week 8

Week 9

Week 10

Week 11

Week 12

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Optimum clearance
- Too loose clearance
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Too tight clearance

4) Shear Area in case of a circular hole of 15 mm diameter and 5 mm sheet thickness is (in mm²) 1 point

- 75
- 300
- 883.57
- 235.62

No, the answer is incorrect.
Score: 0
Accepted Answers:
235.62

5) Maximum thinning that can be achieved in a single ironing operation is 1 point

- Up to 30%
- Up to 50%
- Up to 70%
- Up to 90%

No, the answer is incorrect.
Score: 0
Accepted Answers:
Up to 50%

6) A 50 mm diameter disc is to be blanked out from a carbon steel sheet of 1.0 mm thickness. The diameter of the die should be (Take clearance as 3% of sheet thickness) 1 point

- 49.94
- 49.97
- 50
- 50.06

No, the answer is incorrect.
Score: 0
Accepted Answers:
50

7) Sheet metal is moved sequentially from one station to another to perform the operations in a sequence in 1 point

- Compound die
- Combination die
- Progressive die
- All types of dies

No, the answer is incorrect.
Score: 0
Accepted Answers:
Progressive die

8) Die & punch material selection should be based on consideration of 1 point

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9) An example of abrasive based process is

- Shaping
- Drilling
- Grinding
- Milling

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

10) Limitation of machining processes is

- Close tolerance achieved
- Material wastage as chips
- Very low surface roughness achieved
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: Material wastage as chips