Assignment 4

Due on 2018-09-22, 22:58 IST.

The cut-off date for submitting this assignment has passed.
As per our regulations you have not submitted this assignment.

In each of the following heat treatment processes, steel is heated to just below lower transformation temperature, held at that temperature for many hours and then cooling is allowed to take place slowly. The process is

- Shot peening annealing
- Normalizing
- Norming
- Hardening

No, the answer is incorrect.

Accepted Answers

- Shot peening annealing

3. Which of the following statement is correct for normalizing process?

- Only
- Only b
- Only c
- None of these

No, the answer is incorrect.

Accepted Answers

- None of these

4. In order to get full hardening

- Cooling rate should exceed critical cooling rate
- Cooling rate should be much below the critical cooling rate
- Cooling rate should be equal to the critical cooling rate
- None of these

No, the answer is incorrect.

Accepted Answers

- None of these

5. The heat treatment process that is necessary to remove residual stresses and reduce hardness of martensite is

- Shot peening annealing
- Normalizing
- Norming
- Hardening

No, the answer is incorrect.

Accepted Answers

- Shot peening annealing

6. Which of the following statement is correct for hardening and hardenbility?

- Hardenbility of steel is defined as its ability to harden by forming martensite throughout its cross section without necessity of severe quenching
- Only a
- Only b
- Both a and b
- None of these

No, the answer is incorrect.

Accepted Answers

- Both a and b

7. Which of the following statement is correct for Martempering and Austempering?

- Annealing and Austempering are special heat treatment processes for reducing residual stresses and minimizing the tendency of cracking
- Austempering leads to coarse pearlitic structure and overtempering leads to fine pearlitic structure

- Only a
- Only b
- Both a and b
- None of these

No, the answer is incorrect.

Accepted Answers

- Both a and b

8. Which of the following does not fall under the category of Case hardening methods?

- Carburizing
- Carbonizing
- Hardening
- Annealing

No, the answer is incorrect.

Accepted Answers

- Annealing

9. Which of the following statement is correct for Induction hardening process?

(i) In the process high frequency AC passed through induction coil
- Only a
- Only b
- Both a and b
- None of these

No, the answer is incorrect.

Accepted Answers

- Both a and b

10. Carburising process is applicable for

- Low carbon steel (C = 0.05%)<br>High carbon steel (C = 0.75%)<br>Both low and high carbon steel
- None of these

No, the answer is incorrect.

Accepted Answers

- Low carbon steel (C = 0.05%)