

Monthly Test WCS

april 2026

Q. ID: ITISKILL6627B1

April 2026

GOVT ITI VITTLA

Answer Key

Duration: 30 Mins

Total Marks: 10

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1. Which process produce equilibrium conditions?

- A) Annealing and Hardening
- B) Annealing and Normalising
- C) Normalising and Tempering
- D) Normalising and Tempering

Answer: B) Annealing and Normalising

2. What is the name of the structure formed, if a steel is heated for about 723 Degree C?

- A) Martensite
- B) Cementite
- C) Austenite
- D) Ferrite

Answer: C) Austenite

3. What is colour of a metal piece when heated to 250 Degree C while doing the tempering process?

- A) Pale
- B) Brown
- C) Purple
- D) Blue

Answer: B) Brown

4. Which process steel is heated in a carbonaceous atmosphere for the penetration of carbon?

- A) Carburising
- B) Case hardening
- C) Induction hardening
- D) Nitriding

Answer: A) Carburising

5. What is the name of heat treatment process done to relieve strain and stress?

- A) Annealing
- B) Tempering
- C) Normalising
- D) Hardening

Answer: A) Annealing

6. How much time is allowed normally in soaking zone for a 10mm thick metal piece while hardening?

- A) 20 minutes
- B) 10 minutes
- C) 5 minutes
- D) 15 minutes

Answer: C) 5 minutes

7. What is the process of heat treatment?

- A) The process of cooling to measure the dimensions
- B) The process of heating and cooling to change the structure and properties
- C) The process of heating and bending as per our requirement
- D) The process of heating to change the dimensions

Answer: B) The process of heating and cooling to change the structure and properties

8. What are the various stages of heat treatment?

- A) Quenching, Cooling and Heating
- B) Soaking, Quenching and Cooling
- C) Heating, Cooling and Quenching
- D) Heating, Soaking and Quenching

Answer: D) Heating, Soaking and Quenching

9. What is the purpose of tempering a steel?

- A) To reduce the brittleness
- B) To increase the brittleness
- C) To increase the hardness
- D) To remove the ductility

Answer: A) To reduce the brittleness

10. Which is a kind of surface hardening process?

- A) Nitriding
- B) Ferrite
- C) Cementite
- D) Tempering

Answer: A) Nitriding