

Monthly Test WCS

april 2026

Q. ID: ITISKILL11632B

April 2026

GOVT ITI VITTLA

Question Paper

Duration: 30 Mins

Total Marks: 10

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Student Name: _____

Roll No: _____

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

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

2. What is the purpose of tempering a steel?

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

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

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

4. What is the process of heat treatment?

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

5. 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

6. Which process produce equilibrium conditions?

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

7. Which is a kind of surface hardening process?

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

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

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

9. What are the various stages of heat treatment?

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

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

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