

Monthly Test WCS

april 2026

Q. ID: ITISKILL3363DE

April 2026

GOVT ITI VITTLA

Question Paper

Duration: 30 Mins

Total Marks: 10

ID: ITISKILL3363DE

Student Name: _____

Roll No: _____

1. Which is a kind of surface hardening process?

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

2. What are the various stages of heat treatment?

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

3. What is the purpose of tempering a steel?

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

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

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

5. Which process produce equilibrium conditions?

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

6. 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 heating to change the dimensions D) The process of cooling to measure the dimensions

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

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

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

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

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

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