

Monthly Test WCS

april 2026

Q. ID: ITISKILL6627B1

April 2026

GOVT ITI VITTLA

Question Paper

Duration: 30 Mins

Total Marks: 10

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Student Name: _____

Roll No: _____

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

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

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

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

3. Which process produce equilibrium conditions?

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

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

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

5. Which is a kind of surface hardening process?

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

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

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

7. What is the process of heat treatment?

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

8. What is the purpose of tempering a steel?

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

9. What are the various stages of heat treatment?

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

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

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