

# Dr. J. J. Magdum ITI college sambhajipur

## ITI Quiz - 18-Feb-2026 10:26 AM

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Attempt No.	#1	Completion Time	01:32 PM
Rank	#7	Total Questions	14

12 SCORE

14 MAX MARKS

12 CORRECT

2 INCORRECT

### Answer Review

Q1 **CORRECT** What are the various types of heat treatment processes?

A. Annealing, Normalising, Hardening and Tempering

B. Normalising, Heating, Cooling and Painting

C. Hardening, Soaking, Painting and Packing

D. Tempering, Cooling, Packing and Solling

Q2 **CORRECT** What is the process of heat treatment?

A. The process of heating and cooling to change the structure and properties

B. The process of heating to change the dimensions

C. The process of cooling to measure the dimensions

D. The process of heating and bending as per our requirement

Q3 **CORRECT** What are the various stages of heat treatment?

A. Heating, Cooling and Quenching

B. Quenching, Cooling and Heating

C. Heating, Soaking and Quenching

D. Soaking, Quenching and Cooling

Q4 **CORRECT** What is the name of the structure formed, if a steel is heated for about 723 Degree C?

A. Cementite

B. Austenite

C. Martensite

D. Ferrite

Q5 **INCORRECT** Which heat treatment process is done to refine the grain structure of the steel?

A. Annealing

B. Normalising

C. Hardening

D. Tempering

Q6 **CORRECT** What is the name of heat treatment process done to relieve strain and stress?

A. Normalising

B. Annealing

C. Hardening

D. Tempering

Q7 **CORRECT** Which process produce equilibrium conditions?

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

Q8 **CORRECT** Which process steel is heated in a carbonaceous atmosphere for the penetration of carbon?

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

Q9 **CORRECT** Which is the suitable nitriding process for all alloyed and unalloyed steels?

- A. Silver nitriding
- B. Nitriding in salt-bath
- C. Nitriding in Quenching tank
- D. Gas nitriding

Q10 **INCORRECT** What is the name of the heat treatment process, where the metal is heated and quenched in water or oil?

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

Q11 **CORRECT** Which is a kind of surface hardening process?

A. Cementite

B. Ferrite

C. Nitriding

D. Tempering

Q12 **CORRECT** How much time is allowed normally in soaking zone for a 10mm thick metal piece while hardening?

A. 5 minutes

B. 10 minutes

C. 15 minutes

D. 20 minutes

Q13 **CORRECT** What is colour of a metal piece when heated to 250 Degree C while doing the tempering process?

A. Blue

B. Brown

C. Purple

D. Pale

Q14 **CORRECT** What is the purpose of tempering a steel?

A. To reduce the brittleness

B. To remove the ductility

C. To increase the hardness

D. To increase the brittleness