

# Dr. J. J. Magdum ITI college sambhajipur

## ITI Quiz - 10-Feb-2026 12:24 PM

Q. ID: ITISKILL2289EL | February 2026

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| Student Name | Pratik gavade | Access Code     | 1710     |
| Attempt No.  | #1            | Completion Time | 01:06 PM |
| Rank         | #1            | Total Questions | 17       |

17 SCORE

17 MAX MARKS

17 CORRECT

0 INCORRECT

### Answer Review

Q1 **CORRECT** Which affects the centre of gravity of the object?

A. Weight

B. Mass ☒

C. Density

D. Shape

Q2 **CORRECT** What is the name of the point at which all the weight of the body concentrated?

A. Initial point

B. Centre of gravity ☒

C. Centroid

D. Central point

**Q3** **CORRECT** Where the centre of gravity of a circle lies?

**A.** At its centre ☒

**B.** Any where on its radius

**C.** Any where on its circumference

**D.** Any where on its diameter

**Q4** **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

**Q5** **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

**Q6** **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

**Q7** **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

**Q8** **CORRECT** Which heat treatment process is done to refine the grain structure of the steel?

A. Annealing

B. Normalising ☒

C. Hardening

D. Tempering

**Q9** **CORRECT** What is the name of heat treatment process done to relieve strain and stress?

A. Normalising

B. Annealing ☒

C. Hardening

D. Tempering

**Q10** **CORRECT** Which process produce equilibrium conditions?

A. Annealing and Hardening

B. Normalising and Tempering

C. Annealing and Normalising ☒

D. Normalising and Tempering

**Q11** **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

**Q12** **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

**Q13** **CORRECT** 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

**Q14** **CORRECT** Which is a kind of surface hardening process?

A. Cementite

B. Ferrite

C. Nitriding ☒

D. Tempering

**Q15** **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

**Q16** **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

**Q17** **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