

# ITI Quiz - 18-Feb-2026

## 10:29 AM

Q. ID: ITISKILL5266L1

February 2026

Question Paper

Duration: 30 Mins

Total Marks: 10

ID: ITISKILL5266L1

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. Where the airbags are located in the air suspension system?

- A) Between frame and vehicle axle
- B) Between high control valve and frame
- C) Between air pressure regulator and front axle
- D) Between brake tank and vehicle axle

2. Which part of coil spring allows angular movement of linkages?

- A) Ball joint
- B) Torsion bar
- C) Lower control arm
- D) Stabiliser bar

3. What causes the defect of 'Hard steering' in the hydraulic power steering system?

- A) Improper position of drop arm
- B) Tie rod loose fitting
- C) Band axle beam
- D) Improper size of tyre

4. How the tyre height is calculated?

- A) Rim dia - tyre outer dia
- B) Tyre width + Bead circle dia
- C) Thread width + Tyre width
- D) Tyre outer dia - Rim dia

5. What is the function of Rim in the wheel construction?

- A) Distribute the load equally
- B) Provides balancing of vehicle
- C) Support the axle
- D) Holds the tyre in correct position

6. Why the alternate spokes are screwed to slope forward

and backward towards the rim in the wire wheel?

- A) To observe braking and driving torque
- B) To provide cushioning effect
- C) To take the uneven load
- D) To distribute the load evenly

7. What is the disadvantage of independent suspension system?

- A) More maintenance cost
- B) Spring weight is more
- C) Shocks transmitted from one wheel to other
- D) Vibration damping is less effective

8. What is the role of recirculating balls in the integral power steering?

- A) Combine high mechanical efficiency with smooth operation
- B) Prevent control in event of hydraulic failure
- C) Provide hard steering
- D) Affect steering stability

9. What causes abnormal tyre wear, tyre slip and poor steering stability?

- A) Incorrect toe - in and toe - out
- B) Front axle bend/twist
- C) Malfunctioning of torsion bar
- D) Presence of air in the break fluid

10. What is the cause of noise in steering?

- A) Presence of air in the fluid
- B) Defective torsion bar
- C) Defective flow control valve
- D) High fluid level