

ITI Quiz - 13-Feb-2026

11:42 AM

Q. ID: ITISKILL9163XI

February 2026

Answer Key

Duration: 30 Mins

Total Marks: 10

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

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

Answer: B) Band axle beam

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

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

Answer: D) Holds the tyre in correct position

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

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

Answer: B) Combine high mechanical efficiency with smooth operation

4. What will be the effect of negative camber excessive in the wheel alignment?

- A) Centre of tyre wearout faster
- B) Cracks developed in the tyre tread
- C) Outer edge of tyre wearout faster
- D) Inner edge of tyre wear out faster

Answer: D) Inner edge of tyre wear out faster

5. What is the purpose of castor in wheel alignment?

- A) Reduce tyre wear
- B) Reduce abnormal vibration
- C) Maintain directional stability and control
- D) Convert steering torque input into voltage signal

Answer: C) Maintain directional stability and control

6. What is the permitted brake pedal travel in the hydraulic brake system?

- A) 2 to 12 mm
- B) 7 to 12 mm
- C) 6 to 12 mm
- D) 9 to 12 mm

Answer: B) 7 to 12 mm

7. When the driver is warned of difference in tyre pressure?

- A) Difference in pressure exceeds 30%
- B) Difference in pressure exceeds 40%
- C) Difference in pressure more than 20%
- D) Difference in pressure more than 10%

Answer: A) Difference in pressure exceeds 30%

8. What is the name of distance between most protruding portions on both sides of tyre?

- A) Tyre outer diameter
- B) Thread radius
- C) Tyre height
- D) Tyre width

Answer: D) Tyre width

9. Which device in electronic power steering converts the steering torque input and its direction into voltage signals?

- A) Temperature sensor
- B) Hall effect sensor
- C) Torque sensor
- D) Rotation sensor

Answer: C) Torque sensor

10. What is the cause of noise in steering?

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

Answer: A) Presence of air in the fluid