

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

Answer: A) Band axle beam

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

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

Answer: A) Inner edge of tyre wear out faster

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

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

Answer: C) Tyre width

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

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

Answer: A) Maintain directional stability and control

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

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

Answer: C) Combine high mechanical efficiency with smooth operation

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

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

Answer: B) Holds the tyre in correct position

7. What is the cause of noise in steering?

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

Answer: D) Presence of air in the fluid

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

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

Answer: C) Difference in pressure exceeds 30%

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

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

Answer: C) 7 to 12 mm

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

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

Answer: C) Torque sensor