

ITI Quiz - 11-Feb-2026 11:54 AM

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Student Name	Madam	Access Code	5926
Attempt No.	#1	Completion Time	11:59 AM
Rank	#2	Total Questions	25

11 SCORE

25 MAX MARKS

11 CORRECT

14 INCORRECT

Answer Review

Q1 CORRECT What is the recommended valve of combined angle in the steering system?

- A. 5 - 8 Degree
- B. 9 - 10 Degree**
- C. 12 - 15 Degree
- D. 15 - 18 Degree

Q2 CORRECT What is the range of steering ratio available in general?

- A. 8 : 2 to 22 : 2
- B. 11 : 2 to 22 : 2
- C. 11 : 1 to 24 : 1**
- D. 10 : 1 to 18 : 1

Q3 CORRECT What is the maximum air pressure supplied by the compressor in the air suspension system?

- A. 100 to 115 PSI
- B. 180 to 210 PSI
- C. 120 to 125 PSI**
- D. 200 to 215 PSI

Q4 **INCORRECT** What is the name of distance between most protruding portions on both sides of tyre?

A. Tyre outer diameter

B. Tyre height

C. Tyre width

D. Thread radius

Q5 **CORRECT** What is the role of recirculating balls in the integral power steering?

A. Affect steering stability

B. Prevent control in event of hydraulic failure

C. Combine high mechanical efficiency with smooth operation

D. Provide hard steering

Q6 **INCORRECT** Which is not the function of suspension system?

A. It maintains body level

B. It gives cushioning effects

C. It transfer braking torque to the chassis

D. It increase steering stability

Q7 **INCORRECT** Why light weight cars use low steering ratio?

A. To obtain low steering effect

B. To obtain large steering effect

C. To obtain constant steering effect

D. To obtain no steering effect

Q8 **INCORRECT** Which angle helps in self centering of wheels after negotiating a turn?

A. Castor angle

B. King pin inclination

C. Camber angle

D. Included angle

Q9 **INCORRECT** What is the purpose of castor in wheel alignment?

A. Maintain directional stability and control

B. Reduce tyre wear

C. Reduce abnormal vibration

D. Convert steering torque input into voltage signal

Q10 **CORRECT** What is the advantage of using non reactive suspension arrangement on multi-axle vehicles?

A. Good braking efficiency in both rear wheels

B. Better riding comfort

C. Increased spring life

D. Prevention of ratting

Q11 **INCORRECT** Which part of coil spring allows angular movement of linkages?

A. Ball joint

B. Stabiliser bar

C. Torsion bar

D. Lower control arm

Q12 **INCORRECT** Which type of shock absorber absorbs shocks with the help of friction disc and spring?

A. Hydraulic type

B. Electrical type

C. Mechanical type

D. Pneumatic type

Q13 **INCORRECT** 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

Q14 **CORRECT** What is the function of Rim in the wheel construction?

A. Support the axle

B. Provides balancing of vehicle

C. Holds the tyre in correct position

D. Distribute the load equally

Q15 **CORRECT** When the driver is warned of difference in tyre pressure?

A. Difference in pressure exceeds 30%

B. Difference in pressure more than 10%

C. Difference in pressure more than 20%

D. Difference in pressure exceeds 40%

Q16 **CORRECT** What is the disadvantage of excessive positive camber in the wheel alignment?

A. Tyre outer edge will wearout fast

B. Tyre centre will wearout

C. Tyre bleeding wire wear out

D. Tyre thread wear out

Q17 **CORRECT** What will be the effect of negative scrub radius?

A. Wheel is caused to toe - out

B. Wheel is kept in straight position

C. The tyre centre portion wear out

D. Wheel is caused to toe - in

Q18 **INCORRECT** What is the main cause for wear on one side of tyre?

A. Improper camber

B. Improper caster

C. Over inflation

D. Under inflation

Q19 **INCORRECT** What is the reason of faster wear out of tyre edges?

A. Under inflated tyre

B. Over inflated tyre

C. Un equal load distribution

D. Defective suspension system

Q20 **INCORRECT** What is the cause of 'Wheel wobbling'?

A. Improper tyre pressure

B. King pin wornout

C. Drop in pressure

D. Wrong hose size

Q21 **CORRECT** What is the material constituent of semi metallic brake lining?

A. Carbon fiber

B. Aluminium oxide

C. Fine polished steel wool

D. Carbon composite

Q22 **INCORRECT** What is the permitted brake pedal travel in the hydraulic brake system?

A. 2 to 12 mm

B. 6 to 12 mm

C. 7 to 12 mm

D. 9 to 12 mm

Q23 **INCORRECT** How the EBD (Electronic Brake Force Distribution) failure indicated to the driver?

A. Peep sound in the cabin

B. Indication lamp the dash board

C. Glowing the parking lamp

D. Flickering the tail lamp

Q24 **CORRECT** What is the advantage of TCS/ELSD brake circuit of wheel?

- A. Reduce the pressure at wheel cylinder
- B. Reduce fluid pressure
- C. Automatic adjustment of engine torque to the grip rates
- D. Avoid wheel lockup by releasing pressure

Q25 **INCORRECT** What is the function of EBD (Electronic Brake - Force Distribution) in anti lock brake system?

- A. It control the slip of the front wheel
- B. It controls the slip of the rear wheel
- C. It increase brake pressure to the rear wheel
- D. It improve directional stability of vehicle