

Govt. ITI Bidkalkatte

Monthly test- December 2025

Q. ID: ITISKILL0165EO | December 2025

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Attempt No.	#1	Completion Time	10:03 AM
Rank	#9	Total Questions	20

13 SCORE

20 MAX MARKS

13 CORRECT

7 INCORRECT

Answer Review

Q1 **CORRECT** How the tyre height is calculated?

A. Rim dia - tyre outer dia

B. Tyre outer dia - Rim dia ☒

C. Thread width + Tyre width

D. Tyre width + Bead circle dia

Q2 **INCORRECT** Which part of tyre referred as 'Crown'?

A. Thread width

B. Rim width ☐

C. Tyre width

D. Thread radius ☒

Q3 **CORRECT** What is the advantage of coil spring?

A. Good load carrying capacity

B. High steering and stability

C. Low space requirement ☐

D. Provide greater pay load

Q4 **INCORRECT** Which type of spring will have good load carrying capacity and do not have noise in the suspension system?

A. Monoleaf springs

B. Coil spring ☐

C. Multiple - leaf spring ☐

D. Fibre composite springs

Q5 **INCORRECT** Which system provided between axles and chassis frame?

A. Braking system

B. Suspension system ☐

C. Steering system

D. Cooling system ☐

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 **CORRECT** Which part of coil spring allows angular movement of linkages?

- A.** Ball joint ☒
- B.** Stabiliser bar
- C.** Torsion bar
- D.** Lower control arm

Q8 **INCORRECT** Which type of spring suspension responds quickly to road shocks? |

- A.** Compression spring
- B.** Coil spring ☒
- C.** Helical spring
- D.** Transverse spring ☐

Q9 **CORRECT** Which type of shock absorber is easy for replacement and handling?

- A.** Vane type
- B.** Piston type
- C.** Mechanical type
- D.** Telescopic type ☒

Q10 **CORRECT** 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

Q11 **CORRECT** What is the purpose of air suspension?

- A.** Used for leveling purpose ☒
- B.** Reduce the suspension weight
- C.** Increase the directional stability
- D.** Reduce the space occupation

Q12 **CORRECT** What is the advantage of using nitrogen in the tyres?

- A.** Provide positive road grip
- B.** Increase the tyre life ☒
- C.** Provide cushioning effect on the vehicle
- D.** Observe shocks and vibration

Q13 **CORRECT** What is the use of compact spare tyres?

- A.** Used for breakdown ☒
- B.** Used for high altitude
- C.** Withstand heavy load
- D.** Withstand high temperature

Q14 **CORRECT** What is the purpose of beads and plys provided in the tyre?

- A.** Provide strength to tyre ☒
- B.** Provide grippiness on the surface
- C.** Prevent tyre slip
- D.** Resist vibration

Q15 **INCORRECT** What is the purpose of spokes provided in the wheel?

- A.** Provide accurate rounds of rim ☐
- B.** Distribute pre load evenly
- C.** Provide directional stability of vehicle
- D.** Support the chassis frame of vehicle ☐

Q16 **CORRECT** What causes abnormal tyre wear, tyre slip and poor steering stability?

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

Q17 **CORRECT** What is the main cause for wear on one side of tyre?

- A.** Improper camber ☐
- B.** Improper caster
- C.** Over inflation
- D.** Under inflation

Q18 **CORRECT** 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

Q19 **CORRECT** What will be the result of improper brake adjustment?

- A. Hard steering
- B. Wheel wobbling
- C. Steering wheel play
- D. Vehicle pulling to one side ☒

Q20 **INCORRECT** Why tyre wear found abnormal in the vehicle?

- A. Loose wheel nut
- B. Improper linkage adjustment
- C. Improper tol-in and tol - out ☒
- D. Improper tyre pressure ☐