

# Monthly test- December 2025

December 2025

Govt. ITI Bidkalkatte

Question Paper

Duration: 60 Mins

Total Marks: 20

ID: ITISKILL0165EO

Student Name: _____	Roll No: _____
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1. Why tyre wear found abnormal in the vehicle?

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

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

2. Which system provided between axles and chassis frame?

- A) Steering system                      B) Braking system  
C) Suspension system                  D) Cooling system

10. What is the advantage of coil spring?

- A) Provide greater pay load      B) High steering and stability  
C) Low space requirement          D) Good load carrying capacity

3. Which type of spring suspension responds quickly to road shocks? |

- A) Coil spring                              B) Transverse spring  
C) Compression spring                  D) Helical spring

11. Which is not the function of suspension system?

- A) It increase steering stability      B) It transfer braking torque to the chassis  
C) It gives cushioning effects      D) It maintains body level

4. Which part of tyre referred as 'Crown'?

- A) Thread width                              B) Tyre width  
C) Rim width                                  D) Thread radius

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

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

5. What will be the result of improper brake adjustment?

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

13. Which type of shock absorber is easy for replacement and handling?

- A) Piston type                                  B) Mechanical type  
C) Vane type                                      D) Telescopic type

6. What is the main cause for wear on one side of tyre?

- A) Over inflation                              B) Under inflation  
C) Improper caster                          D) Improper camber

14. Which type of spring will have good load carrying capacity and do not have noise in the suspension system?

- A) Fibre composite springs                  B) Monoleaf springs  
C) Multiple - leaf spring                  D) Coil spring

7. How the tyre height is calculated?

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

15. What is the use of compact spare tyres?

- A) Used for high altitude                      B) Withstand high temperature  
C) Withstand heavy load                      D) Used for breakdown

8. What is the purpose of beads and plies provided in the tyre?

- A) Provide strength to tyre                  B) Provide grippness on the surface  
C) Resist vibration                              D) Prevent tyre slip

16. What is the reason of faster wear out of tyre edges?

- A) Defective suspension system                  B) Un equal load distribution  
C) Under inflated tyre                          D) Over inflated tyre

9. What is the purpose of spokes provided in the wheel?

17. What causes abnormal tyre wear, tyre slip and poor

steering stability?

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

**18.** Where the airbags are located in the air suspension system?

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

**19.** What is the advantage of using nitrogen in the tyres?

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

**20.** 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