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Score: 18/20 (90.00%) **Code: 8458**

1. How the tyre height is calculated?

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

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

A) Thread width
B) Rim width
C) Tyre width
D) Thread radious (Correct)

3. What is the advantage of coil spring?

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

4. 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 (Correct)
D) Fibre composite springs

5. Which system provided between axles and chassis frame?

A) Braking system
B) Suspension system (Correct)
C) Steering system
D) Cooling system

6. 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 (Correct)

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

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

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

A) Compression spring
B) Coil spring (Correct)
C) Helical spring
D) Transverse spring

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

A) Vane type
B) Piston type
C) Mechanical type
D) Telescopic type (Correct)

10. Where the airbags are located in the air suspension system?

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

11. What is the purpose of air suspension?

A) Used for leveling purpose (Correct)
B) Reduce the suspension weight
C) Increase the directional stability
D) Reduce the space ocupation

12. What is the advantage of using nitrogen in the tyres?

A) Provide positive road grip
B) Increase the tyre life (Correct)
C) Provide cusioning effect on the vehicle
D) Oberve shocks and vibration

13. What is the use of compact spare tyres?

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

14. What is the purpose of beads and plys provided in the tyre?

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

15. 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 (Incorrect)
D) Suport the chassis frame of vehicle

16. What causes abnormal tyre wear, tyre slip and poor steering stability?

A) Incorrect toe - in and toe - out (Correct)
B) Malfunctioning of torsion bar

C) Presence of air in the break fluid

D) Front axle bend/twist

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

A) Improper camber (Correct)

B) Improper caster

C) Over inflation

D) Under inflation

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

A) Under inflated tyre

B) Over inflated tyre

C) Un equal load distribution (Incorrect)

D) Defective suspension system

19. 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 (Correct)

20. Why tyre wear found abnormal in the vehicle?

A) Loose wheel nut

B) Improper linkage adjustment

C) Improper tol-in and tol - out (Correct)

D) Improper tyre pressure