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Score: 9/30 (30.00%)

Code: 8834

1. 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 (Incorrect)

2. What is the aspect ratio in the tyre structure?

A) Percentage rartio of tyre height to Rim width (Incorrect)

B) Ratio between tyre height to tyre dia

C) Percentage ratio of tyre height to tyre width

D) Ratio between tyre width to Rim width

3. How the tyre height is calculated?

A) Rim dia - tyre outer dia (Incorrect)

B) Tyre outer dia - Rim dia

C) Thread width + Tyre width

D) Tyre width + Bead circle dia

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

A) Thread width

B) Rim width

C) Tyre width

D) Thread radious (Correct)

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

A) Tyre outer diameter

B) Tyre height (Incorrect)

C) Tyre width

D) Thread radious

6. What does the no: 14PR denotes in the tyre specification 9? x 14 - 14PR?

A) Shoulder width

B) Bead circle dia

C) Ply rating (Correct)

D) Tyre thickness

7. How the tyre is specified?

A) Shoulder width, Boad circle dia. Ply rating (Correct)

B) Shoulder dia, Bead circle dia, Ply rating

C) Shoulder width, Tyre thickness

D) Ply rating, tyre inner circle dia, shoulder width

8. Which type of wheel consist two separate discs are clamped together?

A) Split wheel

B) Wire wheel

C) Disc wheel (Incorrect)

D) Heavy vehicle

9. Which advantage does not suit to wheel alignment?

A) Minimise tyre wear

B) Reduce driver effort

C) Achieve self centering after turning

D) Achieve easy torque transmission (Correct)

10. Which part of electronic power steering revert back to manual steering in case of failure in power steering?

A) Solenoid valve

B) Phase compensator

C) Fail safe relay (Correct)

D) Current controller

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

A) Rotation sensor

B) Torque sensor

C) Hall effect sensor

D) Temperature sensor (Incorrect)

12. What is the advantage of electronic power steering?

A) Compact in size (Incorrect)

B) Energy being consumed only while steering

C) Less ocupation of space

D) Number of components are less

13. Which steering system will provide assistance even when the engine is not running?

A) Integral power steering

B) Linkage power steering

C) Electronic power steering (Correct)

D) Manual steering

14. Which part of integral power steering reduce fluid pressure?

A) Torsion bar

B) Rotary valve

C) Unloading valve

D) Flow control valve (Incorrect)

15. 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 (Incorrect)

16. Which is the heart of integral power steering system?

A) Flow control valve

B) Rotary control valve

C) Pressure relief valve (Incorrect)

D) Unloading valves

17. Which is not the benefit of power steering?

A) Effort less steering

B) Quick response

C) Absolute control during driving (Incorrect)

D) Positive breaking system

18. Which type of suspension spring can not transfer wheel guidence forces?

A) Helical springs

B) Coil springs

C) Leaf springs

D) Compression springs (Incorrect)

19. What is the advantage of coil spring?

A) Good load carrying capacity

B) High steering and stability (Incorrect)

C) Low space requirement

D) Provide greater pay load

20. Which type of suspension spring made of fibre glass, laminated and bonded together by tough polyster resins?

A) Coil springs (Incorrect)

B) Multiple leaf springs

C) Monoleaf springs

D) Fiber composite springs

21. 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 (Incorrect)

C) Multiple - leaf spring

D) Fibre composite springs

22. Which system provided between axles and chassis frame?

A) Braking system

B) Suspension system

C) Steering system (Incorrect)

D) Cooling system

23. 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 (Incorrect)

D) It increase steering stability

24. Why light weight cars use low steering ratio?

A) To obtain low steering effect

B) To obtain large steering effect (Correct)

C) To obtain constant steering effect

D) To obtain no steering effect

25. Which angle helps in self centering of wheels after negotiating a turn?

A) Castor angle

B) King pin inclination

C) Camber angle (Incorrect)

D) Included angle

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

A) Maintain directional stability and control (Correct)

B) Reduce tyre wear

C) Reduce abnormal vibration

D) Convert steering torque input into voltage signal

27. What is the advantage of using non reactive suspension arrangement on multi-axle vehicles?

A) Good braking efficiency in both rear wheels (Correct)

B) Better riding comfort

C) Increased spring life

D) Prevention of ratting

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

A) Ball joint

B) Stabiliser bar

C) Torsion bar

D) Lower control arm (Incorrect)

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

A) Compression spring

B) Coil spring

C) Helical spring

D) Transverse spring (Incorrect)

30. Which type of shock absorber maintain vehicle ride at a pre - set level according to the load placed over the rear axle?

A) Gas pressurised shock absorber (Incorrect)

B) Hydraulic shock absorber

C) Automatic load adjustable shock absorber

D) Mechanical shock absorber