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Score: 13/50 (26.00%)

Code: 4964

1. 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 (Incorrect)

2. What is the steering linkage ratio if the pitman arm length twice of steering arm length?

- A) 02:01 (Incorrect)
 B) 02:01
 C) **01:02**
 D) 02:03

3. What is the maximum air pressure supplied by the compressor in the air suspension system?

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

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

- A) Thread width (Incorrect)
 B) Rim width
 C) Tyre width
 D) **Thread radius**

5. 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 (Correct)**
 D) Thread radius

6. 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

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

- A) **Split wheel**
 B) Wire wheel (Incorrect)
 C) Disc wheel
 D) Heavy vehicle

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

- A) Torsion bar
 B) Rotary valve (Incorrect)
 C) **Unloading valve**
 D) Flow control valve

9. What is the role of recirculating balls in the integral power steering?

- A) Affect steering stability
 B) Prevent control in event of hydraulic failure (Incorrect)
 C) **Combine high mechanical efficiency with smooth operation**
 D) Provide hard steering

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

- A) Flow control valve (Incorrect)
 B) **Rotary control valve**
 C) Pressure relief valve
 D) Unloading valves

11. Which is not the benefit of power steering?

- A) Effort less steering (Incorrect)
 B) Quick response
 C) Absolute control during driving
 D) **Positive breaking system**

12. Which type of suspension spring can not transfer wheel guidance forces?

- A) **Helical springs**
 B) Coil springs (Incorrect)
 C) Leaf springs
 D) Compression springs

13. 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

14. 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

15. Which is not the function of suspension system?

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

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

- A) **Maintain directional stability and control**
 B) Reduce tyre wear
 C) Reduce abnormal vibration (Incorrect)
 D) Convert steering torque input into voltage signal

17. 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 (Incorrect) D) Prevention of ratting

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

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

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

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

20. Which type of shock absorber absorbs shocks with the help of friction disc and spring?

- A) Hydraulic type B) Electrical type (Incorrect)
C) Mechanical type D) Pneumatic type

21. Which device in the air suspension system observe vibration of low amplitude and high frequency?

- A) Shock absorber** B) Suspension spring
C) Air bags in the system D) Leaf spring (Incorrect)

22. What is the advantage of using independent suspension system?

- A) This is simple arrangement (Incorrect) B) Shocks are transmitted from one wheel to other
C) Spring weight is less D) Maintenance cost is less

23. What is the disadvantage of rigid axle suspension system?

- A) Spring weight is less **B) Vibration damping is less effective (Correct)**
C) This is a complicated arrangement D) Maintenance cost is more

24. Which rating indicate the braking capabilities of the tire to the consumer?

- A) Ply rating B) Tyre rating
C) Traction rating D) Temperature rating (Incorrect)

25. What is the function of Rim in the wheel construction?

- A) Support the axle B) Provides balancing of vehicle (Incorrect)
C) Holds the tyre in correct position D) Distribute the load equally

26. Where the tyre pressure sensor secured in the wheel

assembly?

- A) Secured in the wheel hub (Incorrect) B) Secured in the tyre outer edges
C) Bolted to metal valve D) Bolted to the rim centre

27. What will be the effect of negative camber excessive in the wheel alignment?

- A) Outer edge of tyre wearout faster B) Centre of tyre wearout faster
C) Inner edge of tyre wear out faster D) Cracks developed in the tyre tread (Incorrect)

28. 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 (Incorrect)

29. What is the cause of noise in steering?

- A) High fluid level **B) Presence of air in the fluid (Correct)**
C) Defective flow control valve D) Defective torsion bar

30. Why vibration damper are not used inside the helical spring?

- A) Possibility of stuck in one position B) Not economical (Incorrect)
C) Fitting and removing time consuming D) No effect on load carrying capacity

31. What is the impact of larger scrub radius?

- A) Wear on the outer edge of tyre **B) Unequal braking on the front wheel**
C) Wear on the centre part of tyre D) Bending of steering linkage point (Incorrect)

32. 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

33. What will be effect of unequal castor in the vehicle?

- A) Vehicle pull to one side wheel** B) Vehicle will not move
C) Driver have to use less effort on steering D) Increase steering stability (Incorrect)

34. Why rubber buffer is provided in the main spring of suspension system?

- A) Transfer pay load smoothly (Incorrect) **B) Protect chassis frame from heavy jerk**
 C) Transfer the load equally D) Provide steering control stability
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- 35.** Which factor affecting suspension?
 A) Damaged chassis frame (Incorrect) **B) Wornout spring**
 C) More shocks, uncomfortable riding D) Abnormal tyre wear
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- 36.** 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
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- 37.** What is the cause of ?Poor self centering? in a vehicle?
 A) Filter choked **B) Improper wheel alignment**
 C) Loose wheel level (Incorrect) D) Low oil level
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- 38.** Why tyre wear found abnormal in the vehicle?
 A) Loose wheel nut B) Improper linkage adjustment (Incorrect)
C) Improper tol-in and tol-out D) Improper tyre pressure
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- 39.** What causes 'Air suction' in pump of hydraulic power steering system?
A) Noise (Correct) B) High fluid level
 C) Low pressure D) Steering wheel play
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- 40.** What is the cause of ? low pressure? in the hydraulic power steering system?
 A) Low oil level (Incorrect) **B) Wrong flow control valve setting**
 C) Air in the system D) Wornout sealing ring
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- 41.** Which principle is applicable for hydraulic brakes?
A) Pascal's law B) Boyle's law
 C) Newton's law of motion D) Hooke's law (Incorrect)
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- 42.** Which device permits air to the air brake system?
 A) Hand control valve B) Spring brake actuator
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- C) System protection valve **D) Brake valve (Correct)**
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- 43.** What is the binding material used in organic brake lining?
A) Resin B) Mica (Incorrect)
 C) Asbestos D) Fibre glass
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- 44.** 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 (Incorrect)
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- 45.** What is the purpose of brake proportioning valves in the braking system?
 A) Reduces brake pedal effort B) Increase braking efficiency (Incorrect)
C) Provide balanced braking D) Prevent front wheel lockup
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- 46.** Where the non-return valve is located in the centre feed master cylinder?
 A) On the reservoir B) On the cylinder head
 C) On the bypass port **D) On the pistons head (Correct)**
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- 47.** What is the precautionary measures to be adapted while removing secondary piston to prevent damage
 A) Remove the circlip before B) Remove the retaining spring before
C) Remove the stopper bolt before (Correct) D) Remove the return spring before
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- 48.** What is the purpose of 'G' sensor
A) Locking pressure inside wheel cylinder (Incorrect) **B) Measuring deceleration rate of vehicle**
 C) Reduce pressure at wheel cylinder D) Detect wheel lock up condition
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- 49.** Which device detect the driven wheel spin through sensor?
 A) EBD **B) ECU (Correct)**
 C) TCS D) ELSD
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- 50.** What is the function of traction control system?
A) Prevent wheel spinning B) Release the pressure to expansion tank
C) Reduce the engine torque (Incorrect) D) Reduce steering effort