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Score: 17/25 (68.00%)

Code: 0364

1. What is the recommended valve of combined angle in the steering system?

- A) 5 - 8 Degree
 B) **9 - 10 Degree (Correct)**
 C) 12 - 15 Degree
 D) 15 - 18 Degree

2. What is the range of steering ratio available in general?

- A) 8 : 2 to 22 : 2
 B) 11 : 2 to 22 : 2
 C) **11 : 1 to 24 : 1 (Correct)**
 D) 10 : 1 to 18 : 1

3. 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 (Correct)**
 D) 200 to 215 PSI

4. 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

5. 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 (Correct)**
 D) Provide hard steering

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. 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

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

- A) Castor angle
 B) **King pin inclination (Correct)**
 C) Camber angle
 D) Included angle

9. 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

10. 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

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

A) Ball joint (Correct)

B) Stabiliser bar

C) Torsion bar

D) Lower control arm

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

A) Hydraulic type

B) Electrical type

C) Mechanical type (Correct)

D) Pneumatic type

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

A) Between 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

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

A) Support the axle

B) Provides balancing of vehicle

C) Holds the tyre in correct position (Correct)

D) Distribute the load equally

15. When the driver is warned of difference in tyre pressure?

A) Difference in pressure exceeds 30%

B) Difference in pressure more than 10%

C) Difference in pressure more than 20% (Incorrect)

D) Difference in pressure exceeds 40%

16. What is the disadvantage of excessive positive camber in the wheel alignment?

A) Tyre outer edge will wearout fast
C) Tyre bleeding wire wear out

B) Tyre centre will wearout (Incorrect)
D) Tyre thread wear out

17. What will be the effect of negative scrub raiouos?

A) Wheel is caused to toe - out
C) The tyre centre portion wear out

B) Wheel is kept in straight position
D) Wheel is caused to toe - in (Correct)

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

A) Improper camber
C) Over inflation

B) Improper caster (Incorrect)
D) Under inflation

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

A) Under inflated tyre
C) Un equal load distribution

B) Over inflated tyre
D) Defective suspension system (Incorrect)

20. What is the cause of 'Wheel wobbling'?

A) Improper tyre pressure
C) Drop in pressure

B) King pin wornout (Correct)
D) Wrong hose size

21. What is the material constituent of semi metallic brake lining?

A) Carbon fiber
C) Fine polished steel wool (Correct)

B) Aluminium oxide
D) Carbon composite

22. What is the permitted brake pedal travel in the hydraulic brake system?

A) 2 to 12 mm
C) 7 to 12 mm

B) 6 to 12 mm (Incorrect)
D) 9 to 12 mm

23. How the EBD (Electronic Brake Force Distribution) failure indicated to the driver?

A) Peep sound in the cabin
C) Glowing the parking lamp

B) Indication lamp the dash board
D) Flickering the tail lamp (Incorrect)

24. What is the advantage of TCS/ELSD brake circuit of wheel?

A) Reduce the pressure at wheel cylinder (Incorrect)
C) Automatic adjustment of engine torque to the grip rates

B) Reduce fluid pressure
D) Avoid wheel lockup by releasing pressure

25. What is the function of EBD (Electronic Brake - Force Distribution) in anti lock brake system?

A) It control the slip of the front wheel
C) It increase brake pressure to the rear wheel (Incorrect)

B) It controls the slip of the rear wheel
D) It improve directional stability of vehicle