

Student: Sandesh

Score: 12/20 (60.00%)

Code: 5455

1. What is the average power steering gear ratio followed in general?

- A) 40% less than manual steering
 B) Equal to manual steering
 C) **20% less than manual steering (Correct)**
 D) 10% more than manual steering

2. 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 (Incorrect)
 C) **120 to 125 PSI**
 D) 200 to 215 PSI

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

- A) Percentage ratio of tyre height to Rim width
 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 (Incorrect)

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. 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

7. What is the advantage of electronic power steering?

- A) Compact in size
 B) **Energy being consumed only while steering**
 C) Less occupation of space
 D) Number of components are less (Incorrect)

8. 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**

9. 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)**

10. 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

11. 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

12. 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

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

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

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

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

16. 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)

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

- A) Wheel is caused to toe - out (Incorrect) B) Wheel is kept in straight position
C) The tyre centre portion wear out **D) Wheel is caused to toe - in**
-

18. 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)**
-

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

- A) Improper tyre pressure **B) King pin wornout (Correct)**
C) Drop in pressure D) Wrong hose size
-

20. What causes the defect of 'Hard steering' in the hydraulic power steering system?

- A) Improper position of drop arm B) Tie rod loose fitting
C) Band axle beam (Correct) D) Improper size of tyre
-