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Score: 17/20 (85.00%)

Code: 3346

1. 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

2. 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

3. 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

4. Which system provided between axles and chassis frame?

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

5. 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

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

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

7. How to rectify the defect of noise in hydraulic steering?

- A) Replace the with new fluid    **B) Fill fluid to correct level and bleed the system (Correct)**  
 C) Adjust the torsion bar linkage    D) Replace the flow control valve

8. 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

9. 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

10. Which principle is applicable for hydraulic brakes?

- A) Pascal's law (Correct)**    B) Boyle's law  
 C) Newton's law of motion    D) Hooke's law

11. Which device permits air to the air brake system?

- A) Hand control valve    B) Spring brake actuator  
 C) System protection valve (Incorrect)    **D) Brake valve**

12. Which material is used for brake rotors and brake pads for aircraft and racing cars?

- A) Sintered alloy    **B) Carbon fiber reinforced carbon composite (Correct)**  
 C) Asbestos    D) Copper, brass, steel

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

- A) Carbon fiber    B) Aluminium oxide  
**C) Fine polished steel wool (Correct)**    D) Carbon composite

14. What is the binding material used in organic brake lining?

- A) Resin**    B) Mica  
 C) Asbestos (Incorrect)    D) Fibre glass

15. 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 (Correct)**    D) 9 to 12 mm

16. What is the material used to make brake drum?

- A) Stainless steel    B) High carbon steel

**C) Special type castiron  
(Correct)**

D) High speed steel

17. Where the non-return valve is located in the centre feed master cylinder?

A) On the reservoir  
(Incorrect)

B) On the cylinder head

C) On the bypass port

**D) On the pistons head**

18. What is the brake pedal free play range permitted while adjusting?

A) 4 mm to 8 mm

B) 8 mm to 10 mm

**C) 6 mm to 12 mm  
(Correct)**

D) 13 mm to 18 mm

19. Which device detect the driven wheel spin through sensor?

A) EBD

**B) ECU (Correct)**

C) TCS

D) ELSD

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

A) It control the slip of the front wheel

**B) It controls the slip of the rear wheel (Correct)**

C) It increase brake pressure to the rear wheel

D) It improve directional stability of vehicle