MMV Trade Theory

Monthly test Jan 26

Q. ID: ITISKILL3095LG

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Answer Key

Duration: 60 Mins **Total Marks: 20** **Q.ID: ITISKILL3095LG**

1. What is the cause of noise in steering?

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

Answer: A) Presence of air in the fluid

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

A) Carbon composite
B) Fine polished steel wool
C) Aluminium oxide
D) Carbon fiber

Answer: B) Fine polished steel wool

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

A) 6 to 12 mm
B) 9 to 12 mm
C) 2 to 12 mm
D) 7 to 12 mm

Answer: D) 7 to 12 mm

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

A) System protection valve
B) Spring brake actuator
C) Hand control valve
D) Brake valve

Answer: D) Brake valve

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

A) Lower control arm
B) Torsion bar
C) Ball joint
D) Stabiliser bar

Answer: C) Ball joint

6. What causes abnormal tyre wear, tyre slip and poor steering stability?

A) Malfunctioning of torsion bar
B) Presence of air in the break fluid
C) Front axle bend/twist
D) Incorrect toe - in and toe - out

Answer: D) Incorrect toe - in and toe - out

7. Which principle is applicable for hydraulic brakes?

A) Hooke's law
B) Boyle's law
C) Pascal's law
D) Newton's law of motion

Answer: C) Pascal's law

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

A) ECU
B) TCS
C) EBD
D) ELSD

Answer: A) ECU

9. Which type of spring will have good load carrying capacity and do not have noise in the suspension system?

A) Multiple - leaf spring
B) Monoleaf springs
C) Fibre composite springs
D) Coil spring

Answer: A) Multiple - leaf spring

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

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

Answer: C) Carbon fiber reinforced carbon composite

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

A) High speed steel
B) Special type castiron
C) High carbon steel
D) Stainless steel

Answer: B) Special type castiron

12. 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
C) It increase brake pressure to the rear wheel
D) It improve directional stability of vehicle

Answer: B) It controls the slip of the rear wheel

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

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

Answer: B) Fill fluid to correct level and bleed the system

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

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

Answer: A) Combine high mechanical efficiency with smooth operation

15. Which system provided between axles and chassis frame?

A) Braking system
B) Cooling system

C) Steering system D) Suspension system

Answer: D) Suspension system

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

A) On the cylinder head B) On the bypass port

C) On the pistons head D) On the reservoir

Answer: C) On the pistons head

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

A) Mica B) Asbestos

C) Resin D) Fibre glass

Answer: C) Resin

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

A) Linkage power steering B) Electronic power steering

C) Manual steering D) Integral power steering

Answer: B) Electronic power steering

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

A) 13 mm to 18 mm B) 6 mm to 12 mm

C) 8 mm to 10 mm D) 4 mm to 8 mm

Answer: B) 6 mm to 12 mm

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

A) Convert steering torque input into voltage signal B) Reduce tyre wear

C) Reduce abnormal vibration D) Maintain directional stability and control

Answer: D) Maintain directional stability and control