

Student: **ABDUL REHAMAN PEERJADE**

Score: **16/50 (32.00%)**

Code: **9626**

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 (Incorrect) D) 15 - 18 Degree
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 average power steering gear ratio followed in general?
- A) 40% less than manual steering (Incorrect) B) Equal to manual steering
C) 20% less than manual steering D) 10% more than manual steering
4. 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
5. How the tyre height is calculated?
- A) Rim dia - tyre outer dia **B) Tyre outer dia - Rim dia**
C) Thread width + Tyre width (Incorrect) D) Tyre width + Bead circle dia
6. Which part of tyre referred as 'Crown'?
- A) Thread width B) Rim width (Incorrect)
C) Tyre width **D) Thread radius**
7. What is the name of distance between most protruding portions on both sides of tyre?
- A) Tyre outer diameter B) Tyre height (Incorrect)
C) Tyre width D) Thread radius
8. What does the no: 14PR denotes in the tyre specification 9? x 14 - 14PR?
- A) Shoulder width B) Bead circle dia
C) Ply rating D) Tyre thickness (Incorrect)
9. How the tyre is specified?
- A) Shoulder width, Boad circle dia. Ply rating** B) Shoulder dia, Bead circle dia, Ply rating (Incorrect)
- C) Shoulder width, Tyre thickness D) Ply rating, tyre inner circle dia, shoulder width
10. Which type of wheel consist two separate discs are clamped together?
- A) Split wheel** B) Wire wheel (Incorrect)
C) Disc wheel D) Heavy vehicle
11. 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 D) Manual steering (Incorrect)
12. 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
13. Which system provided between axles and chassis frame?
- A) Braking system **B) Suspension system**
C) Steering system (Incorrect) D) Cooling system
14. Which angle helps in self centering of wheels after negotiating a turn?
- A) Castor angle (Incorrect) **B) King pin inclination**
C) Camber angle D) Included angle
15. Which type of spring suspension responds quickly to road shocks? |
- A) Compression spring **B) Coil spring (Correct)**
C) Helical spring D) Transverse spring
16. Which type of shock absorber is easy for replacement and handling?
- A) Vane type B) Piston type
C) Mechanical type **D) Telescopic type (Correct)**
17. 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

18. 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)

19. 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

20. What is the purpose of air suspension?

- A) Used for leveling purpose** B) Reduce the suspension weight
C) Increase the directional stability D) Reduce the space occupation (Incorrect)

21. What is the disadvantage of independent suspension system?

- A) More maintainance cost** B) Vibration damping is less effective
C) Shocks transmitted from one wheel to other (Incorrect) D) Spring weight is more

22. What is the advantage of using nitrogen in the tyres?

- A) Provide positive road grip **B) Increase the tyre life**
C) Provide cusioning effect on the vehicle (Incorrect) D) Obevse shocks and vibration

23. 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

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

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

25. What is the advantage of using run flat tyres?

- A) Less cost and maintance (Incorrect) **B) Eliminate head for spare tyre and jack**
C) Resist vibration D) Provide equal distribution of load

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

- A) Under inflated tyre (Correct)** B) Over inflated tyre

- C) Un equal load distribution D) Defective suspension system

27. What will be the result of improper brake adjustment?

- A) Hard steering B) Wheel wobbling (Incorrect)
C) Steering wheel play **D) Vehicle pulling to one side**

28. 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)

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

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

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

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

31. 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

32. What is the purpose of ?V? pulley in the charging system?

- A) Drive the cam shaft **B) Rotate the alternator rotor (Correct)**
C) Drive the crank shaft D) Support rectifier mounting plates

33. What is the working principle of alternator?

- A) Ohms law B) Law of resistance
C) Electromagnetic induction D) Lenz's law (Incorrect)

34. How the alternator field terminal is connected to the battery?

- A) By ignition switch** B) By indicator lamp (Incorrect)
C) By charge indicator D) By voltage regulator

35. What is the possible cause of high fuel consumption?

- A) High fuel in the tank (Incorrect) B) Low fuel in the tank
C) Wrong injection timing D) High compression pressure

36. Why a diesel engine starts but not running idle?

- A) Low fuel level in tank
(Incorrect) B) Low charged battery
C) **Clogged nozzle** D) No air in fuel system

37. What is the effect of defective injector?

- A) **Engine does not start** B) Engine over heated
(Incorrect) C) High fuel pressure D) High oil pressure

38. What is to be checked up if the engine overheats?

- A) Hydraulic fluid level B) Fuel level
C) **Coolant level (Correct)** D) Electrolyte level

39. Which affects the centre of gravity of the object

- A) Weight B) **Mass (Correct)**
C) Density D) Shape

40. What is the name of the point at which all the weight of the body concentrated?

- A) Initial point B) **Centre of gravity (Correct)**
C) Centroid D) Central point

41. Where the centre of gravity of a circle lies?

- A) **At its centre (Correct)** B) Any where on its radius
C) Any where on its circumference D) Any where on its diameter

42. What is the centre of gravity of a right circular cone from its base?

- A) $h/2$ B) $h/3$
C) **$h/4$** D) $h/5$ (Incorrect)

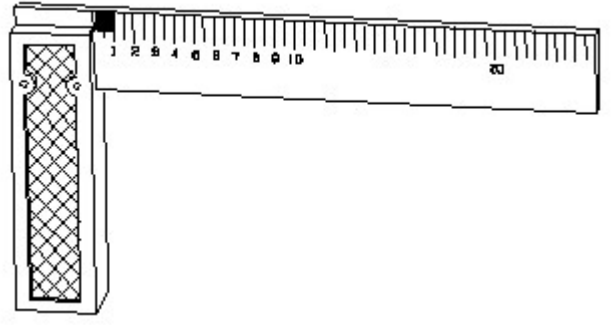
43. What is the centre of gravity of a sphere?

- A) **At the centre** B) On the circumference
(Incorrect) C) At the diameter D) At the radius

44. Which state of equilibrium's example is, A cone resting on its base?

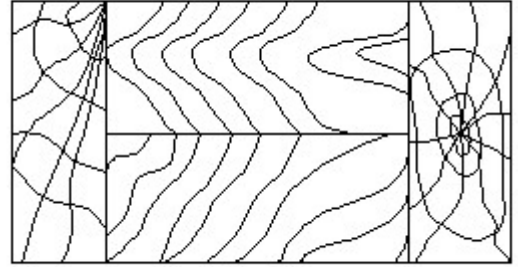
- A) Un-stable B) **Neutral (Incorrect)**
C) **Stable** D) Both A and B

45. 1). Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



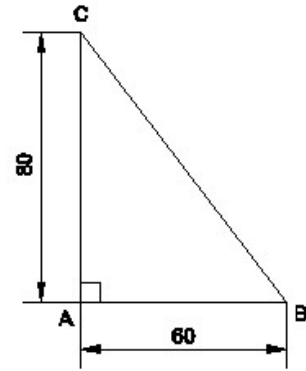
- A) **Try square | ಟ್ರೈ ಸ್ಕ್ವೇರ್ (Correct)** B) Surface gauge | ಮೇಲ್ಮೈ ಮಾಪಕ
C) Steel rule | ಸ್ಟೀಲ್ ರೂಲ್ D) Feeler gauge | ಫೀಲರ್ ಗೇಜ್

46. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



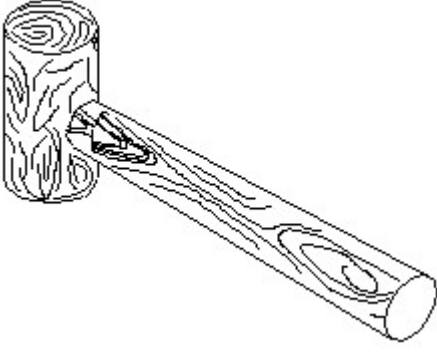
- A) Lead | ಲೀಡ್ B) Glass | ಗಾಜು (Incorrect)
C) **Wood | ಮರ** D) Paper | ಪೇಪರ್

47. Identify the name of the triangle? | ತ್ರಿಕೋನದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



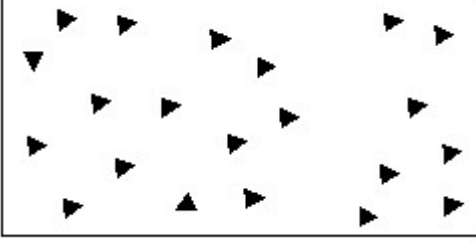
- A) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ B) Isosceles triangle | ಸಮದ್ವಿಬಾಹು ತ್ರಿಕೋನ
C) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ (Incorrect) D) **Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ**

48. Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Ball pein hammer | ಬಾಲ್ ಪೆನ್ ಸುತ್ತಿಗೆ
C) Cross pein hammer | ಕ್ರಾಸ್ ಪೀನ್ ಸುತ್ತಿಗೆ
B) Mallet | ಮ್ಯಾಲೆಟ್
(Correct)
D) Straight pein hammer | ಸ್ಟ್ರೈಟ್ ಪೆನ್ ಸುತ್ತಿಗೆ

49. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



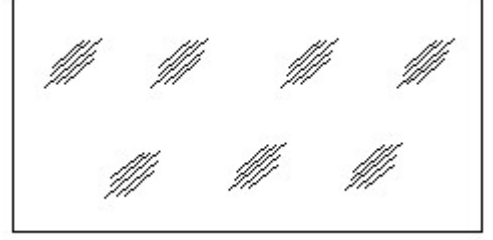
A) Steel | ಸ್ಟೀಲ್

B) Wood | ಮರ

C) Glass | ಗಾಜು

D) Concrete | ಕಾಂಕ್ರೀಟ್
(Correct)

50. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



A) Concrete | ಕಾಂಕ್ರೀಟ್

B) Steel | ಸ್ಟೀಲ್

C) Wood | ಮರ

D) Glass | ಗಾಜು (Correct)