

1. A friction clutch works on \_\_\_\_\_
  - (1) Principle of friction
  - (2) Fluid flow
  - (3) Principle of kinetic energy
  - (4) Power transmission methods
  
2. The main function of spring is \_\_\_\_\_
  - (1) To damp out vibrations
  - (2) To damp the road shocks
  - (3) The fluid is intended to damp vibrations
  - (4) To stabilize the cars
  
3. Which one of the following is not a source of emission (pollutant) from a vehicle \_\_\_\_\_
  - (1) Crank case emission
  - (2) Evaporative losses
  - (3) Exhaust emission
  - (4) Fuel burning
  
4. The system to lower the peak combustion temperature to minimize the formation of  $\text{NO}_x$  (Controlling of exhaust emission) is \_\_\_\_\_
  - (1) Thermal Reactor
  - (2) Catalytic converter
  - (3) Electronic spark control system
  - (4) Exhaust Gas Re-circulation (EGR)
  
5. Age limit in connection with driving of motor vehicle is \_\_\_\_\_
  - (1) Above 18 years
  - (2) Below 18 years
  - (3) Between 18 to 21 years
  - (4) Above 15 years

6. Extent of effectiveness of learner, licences to drive motor vehicle has to be in \_\_\_\_\_

- (1) Karnataka State
- (2) Throughout India
- (3) Area of R.T.O. Jurisdiction
- (4) In the city where the licences are issued

7. Inspection of Vehicle involved in accident is done by a \_\_\_\_\_

- (1) Any person authorised in this behalf by a State Government.
- (2) Any person authorised in this behalf by a Central Government.
- (3) Any person authorised in this behalf by a Court.
- (4) Any Police person.

8. Petrol that detonates easily is called as \_\_\_\_\_

- (1) High octane petrol
- (2) Low octane petrol
- (3) Blended petrol
- (4) Unleaded petrol

9. The characteristic that is enhanced by honing of cylinder sleeve liner of an IC engine is \_\_\_\_\_

- (1) Lubrication performance
- (2) Cooling efficiency
- (3) Wear resistance
- (4) None of above

10. Instrument used in checking specific gravity of the acid in battery is \_\_\_\_\_

- (1) Hygrometer
- (2) Hydrometer
- (3) Multimeter
- (4) Anemometer

11. A typical crank shaft of an in line four cylinder engine has \_\_\_\_\_

- (1) 16 balance weights
- (2) 12 balance weights
- (3) 8 balance weights
- (4) 4 balance weights

12. The clutch is located between the gear box transmission and \_\_\_\_\_

- (1) Rear axle
- (2) Propeller shaft
- (3) Engine
- (4) Differential

13. The characteristic of brake fluid is \_\_\_\_\_

- (1) High boiling point
- (2) Low velocity
- (3) Compatible with rubber
- (4) All of the above

14. The front stabilizer bar is used in automobiles to \_\_\_\_\_

- (1) Increase Load Capacity
- (2) Safer ride
- (3) To control suspension and body roll
- (4) None of the above

15. The commonly used antifreeze solution in automobile is \_\_\_\_\_

- (1) Ammonium Chloride
- (2) Freon-12
- (3) Ethyl glycol
- (4) Carbon di sulphide

16. The wheel base of an automobile is the \_\_\_\_\_

- (1) Extreme lengths of Vehicle
- (2) Distance between centres of front & rear wheels
- (3) Distance between Centres of front wheels
- (4) Distance between centres of rear wheels

17. Two stroke engines have inlet ports at \_\_\_\_\_

- (1) Side of cylinder
- (2) Top of cylinder
- (3) Bottom of cylinder
- (4) None of the above

18. In a V-type engine the included angle between two cylinder banks is \_\_\_\_\_

- (1)  $45^{\circ}$
- (2)  $90^{\circ}$
- (3)  $60^{\circ}$
- (4)  $120^{\circ}$

19. Temperature gauge in automobile indicates temperature of \_\_\_\_\_

- (1) Engine
- (2) Lubricating oil
- (3) Cylinder
- (4) Cooling water

20. The parking brakes in automobile is operated \_\_\_\_\_

- (1) Mechanically
- (2) Electronically
- (3) Pneumatically
- (4) Hydraulically

21. Removal of trapped air in a hydraulic braking system of an automobile is called \_\_\_\_\_

- (1) Cleaning
- (2) Trapping
- (3) Tapping
- (4) Bleeding

22. The main function of anti locking breaking system in an automobile is to \_\_\_\_\_

- (1) Reduce breaking distance
- (2) Minimize break failure
- (3) Maintain directional control during breaking by preventing locking of wheels.
- (4) None of the above

23. Automobiles without gear shafts uses following type of clutch for power transmission from engine \_\_\_\_\_

- (1) Single plate
- (2) Multi plate
- (3) Centrifugal
- (4) Cone

24. The replacement of engine oil and oil filter is known as \_\_\_\_\_

- (1) Corrective maintenance
- (2) Preventive maintenance
- (3) Break down maintenance
- (4) None of the above

25. The tyre inflation pressure should be checked at \_\_\_\_\_

- (1) 20<sup>0</sup> C
- (2) 25<sup>0</sup>C
- (3) 35<sup>0</sup>C
- (4) Ambient temperature

26. The advantage of tubeless tyre over tube tyre is \_\_\_\_\_

- (1) Slow air leakage
- (2) Higher fuel efficiency
- (3) Less chances of puncture
- (4) All of the above

27. The ignition coils function is to \_\_\_\_\_

- (1) Step up current
- (2) Step down current
- (3) Step up Voltage
- (4) Step down Voltage

28. To get Automotive Service Excellence (ASE) certification, a technician must have minimum of \_\_\_\_\_ years of hands on experience.

- (1) 1
- (2) 2
- (3) 3
- (4) 4

29. Preventive Maintenance (PM) checks made most often \_\_\_\_\_

- (1) Spare tyre pressure
- (2) Coolant in the coolant recovery reservoir
- (3) Operation of all exterior lights
- (4) Engine oil level

30. Technician A measures engine displacement in cubic centimetres, while technician B measures it in cubic inches. Who is correct ?

- (1) A
- (2) B
- (3) Both A and B
- (4) Neither A or B

31. Source of electrical energy in an automobile is \_\_\_\_\_

- (1) Magnetism
- (2) Chemical reaction
- (3) Both magnetism and chemical reaction
- (4) None of these

32. The effort of the parking brake pedal assembly or hand grip is multiplied and passed on to the rear cables by \_\_\_\_\_

- (1) Equalizer lever
- (2) Rear disc
- (3) Front cable
- (4) Drive shaft

33. Which of the following is true for R-12 ?

- (1) Toxic
- (2) Flammable
- (3) Destructive to earth's ozone layer
- (4) All of these

34. In correct steering axis inclination (SAI) causes \_\_\_\_\_

- (1) Tendency to assume toe . out orientation
- (2) Generation of braking effect at tight corners.
- (3) Poor recovery of steering wheel after turn.
- (4) The vehicle to pull to the side of lesser inclination.

35. The Automobile chassis consists of the engine, frame, power train, wheels, steering and \_\_\_\_\_

- (1) Doors
- (2) Luggage boot
- (3) Wind shield
- (4) Breaking systems

36. In the transmission system, the provision of slip joints allows a change in the \_\_\_\_\_

- (1) Angle of drive
- (2) Speed of rotation
- (3) Length of shaft
- (4) None of the above

37. Spring shackles are used to join \_\_\_\_\_

- (1) Chassis frame and spring
- (2) Spring and axle
- (3) Chassis frame and axle
- (4) All of the above

38. What is the first step in choosing a supply chain \_\_\_\_\_

- (1) Developing an umbrella mission statement
- (2) Understanding the customer
- (3) Making sure the members of the supply chain harmonize with the organizational
- (4) Creating a unifying inter organizational strategy

39. What component does the PCM or ECM monitor to determine the condition of the catalytic converter and will set a DTC (Diagnostic Trouble Code) if it fails ?

- (1) Throttle position sensor
- (2) Engine coolant temperature sensor
- (3) Front and rear catalyst temperature sensors
- (4) Front and rear O<sub>2</sub> (Oxygen) sensors.

40. Rate of Cess to be levied under Section 3 of KMVT Act on the Motor Vehicles Registered under M.V. Act, 1988

- (1) 8% of Tax levied
- (2) 10% of Tax levied
- (3) 11% of Tax levied
- (4) 12% of Tax levied



41. Green tax is levied on transport vehicle once it completes \_\_\_\_\_

- (1) 5 years from the date of registration
- (2) 7 years from the date of registration
- (3) 10 years from the date of registration
- (4) 15 years from the date of registration

42. Appellate Authority for taxation cases related to Motor Vehicles is \_\_\_\_\_

- (1) Regional Transport Officer
- (2) Deputy Commissioner for Transport of the Division
- (3) Transport Commissioner
- (4) Karnataka State Appellate Tribunal

43. The visual transmission of wind screen glass and rear window glass of every motor vehicle shall be \_\_\_\_\_

- (1) Not less than 40% and 50% respectively
- (2) Not less than 70% and 50% respectively
- (3) Not less than 60% and 60% respectively
- (4) Not less than 30% and 70% respectively

44. The currency of the transport license will be given for \_\_\_\_\_

- (1) 20 years
- (2) Up to the age of 50 years
- (3) 5 years
- (4) 3 years

45. The cautionary signals are designed \_\_\_\_\_

- (1) Rectangular
- (2) Circular
- (3) Triangular
- (4) Tripuzeied

46. The validity of the learner's license is for \_\_\_\_\_ months.

- (1) 9 months
- (2) 3 months
- (3) 6 months
- (4) 12 months

47. Non registration vehicle identified with the \_\_\_\_\_

- (1) Engine and chassis number
- (2) Driving license number
- (3) Permit no.
- (4) Seat no.

48. If a driver of a vehicle while on driving met with an accident, immediately he must inform to \_\_\_\_\_ authority.

- (1) Licensing authority
- (2) Registering authority
- (3) Police authority
- (4) State authority

49. For transport vehicles for late payment of tax \_\_\_\_\_ percentage of penalty will be imposed.

- (1) 10% of tax rate
- (2) 20% of tax rate
- (3) 30% of tax rate
- (4) 50% of tax rate

50. Inter-state permits can be granted by \_\_\_\_\_

- (1) RTA
- (2) Border RTO
- (3) STA
- (4) Check-post