

- A) Crash sensor
- B) Infrared sensor
- C) Proximity sensor
- D) Air bag sensor

- A) Blown fuse
- B) Poor transponder in key
- C) Unregistered ignition key
- D) ECM problem

16. Why horn produces low improper sound?

- A) Relay points stuck up
- B) Cracked diaphragm
- C) Open field coil winding
- D) Fuse blown off

26. Which device inflate the air bag in few milli seconds during vehicle collision?

- A) Steering lock
- B) GPS tracker
- C) Inflator module
- D) Seat belt pre tensioners

17. Which part of ignition system connects and disconnects primary circuit?

- A) Condenser
- B) Ignition coil
- C) Contact breaker
- D) Distributor

27. What is the effect on engine performance if air leak in the induction system observed?

- A) Engine hard to start - Hot
- B) Engine cranks but will not start
- C) Pressure regulator
- D) Engine produce abnormal noise

18. Which sensor used to measure the magnitude of a magnetic field?

- A) Voltage sensor
- B) Engine knocking sensor
- C) Air vertex sensor
- D) Hall effect sensor

28. Why seat belt and air bag systems are necessary in the vehicle?

- A) To protect the driver and passenger
- B) Provide ventilation inside vehicle
- C) To track the stolen car
- D) Prevent the steering wheel from turning

19. What is the function of thermo time switch in engine control module?

- A) Indicate lubricant temperature
- B) Indicate fuel temperature
- C) Sense engine coolant temperature
- D) Sense exhaust gas temperature

29. What is the purpose of seat belt pre tensioners?

- A) Protect the occupant from head injury
- B) Detect passengers weight
- C) Prevent the side way movement of seat
- D) Hold the occupant tightly in the seat

20. Which circuit provide miniature bulbs to know the working gauges?

- A) Head light circuit
- B) Panel light circuit
- C) Parking light circuit
- D) Stop light circuit

30. What is the purpose of dome light circuit?

- A) Used for parking vehicle on road
- B) Interior illumination
- C) Panel board gauges indication
- D) Provide enough visibility to driver

21. What is the special feature of cold start system?

- A) Determine timing and sequence of fuel injection
- B) Provide additional fuel during starting
- C) Provide positive starting
- D) Intake manifold

31. How many spark plugs are ignited at the same time in the distributor less ignition system?

- A) Three
- B) Five
- C) Two
- D) Four

22. Which part of cold start system allow additional air to bypass the throttle plate?

- A) Oxygen sensor
- B) Thermo time switch
- C) Auxiliary air valve
- D) Air supply relay

32. What is the achieved through spark plug end gap design?

- A) Improve fuel atomisation
- B) Improve combustion swirl
- C) Increase the fuel pressure
- D) Helps for the complete ignition

23. What causes horn sounds continuously even switch is in off position?

- A) Incorrectly adjusted relay
- B) Fuse blown off
- C) Low battery voltage
- D) Relay point stuck up

33. What is the function of ignition coil?

- A) Connect the primary circuit to ignition switch
- B) Step up low voltage to high voltage
- C) Disconnect the secondary circuit to
- D) Step down high voltage to low voltage

24. Which type of horn consist electically driven air pump forces air through plastic trumpet?

- A) Wind horn
- B) Wind horn
- C) Electric horn
- D) Air horn

25. What is the possible cause for immobilizer antenna error?

34. Which sensor located in the intake manifold or throttle body?

- | | | | |
|----------------------|-------------------------|----------------------------------|----------------------------------|
| A) Air vertex sensor | B) Mass air flow sensor | C) Reduce system cost and weight | D) Improve vehicle safety system |
| C) Oxygen sensor | D) Hall effect sensor | | |

35. Which type of sensor used to monitor the injection timing and ignition timing of engine?

- | | |
|---|---------------------------|
| A) Crank and cam, shaft position sensor | B) Engine knocking sensor |
| C) Throttle position sensor | D) Pressure sensor |

36. Which light provide effective illumination during snowfall?

- | | |
|---------------|------------------|
| A) Head light | B) Stop light |
| C) Fog light | D) Parking light |

37. Where the engine control module installed in the engine?

- | | |
|-----------------------------------|-----------------------------|
| A) Near the fly wheel | B) Front side of radiator |
| C) Under side of instrument panel | D) In the gear box assembly |

38. Why many engines use spark plugs with tapered seats?

- | | |
|------------------------------|----------------------------|
| A) Produce correct alignment | B) Provide clearance space |
| C) Produce good sealing | D) Helps in easy fitting |

39. Which system determine the vehicles location by forming a triangle with a group of four or more satallites?

- | | |
|------------------------|--------------------------------|
| A) Triangulation | B) Networking and Multiplexing |
| C) Reflective displays | D) Telematic |

40. Which instrument indicate engine RPM in the engine control module?

- | | |
|------------------|----------------|
| A) Tachometer | B) Pyno meter |
| C) Galvano meter | D) Hydro meter |

41. Which electronic control system supplies optimum airfuel mixture to the combustion chamber under different driving condition?

- | | |
|----------------------------------|----------------------------|
| A) Idle speed control system | B) Ignition control system |
| C) Fuel injection control system | D) Oil pump control system |

42. Which part of electronic fuel injection system controls opening of bypass air passage?

- | | |
|--------------------------|---------------------------|
| A) Pressure relief valve | B) Idle air control valve |
| C) Throttle valve | D) Check valve |

43. What is the advantage of multiplex network?

- | | |
|--------------------------------------|---|
| A) Determine vehicle tracking system | B) Prevent malfunctioning of air bag system |
|--------------------------------------|---|

44. How much is the current consumption of wind shield wiper motor?

- | | |
|--------------------|--------------------|
| A) 2.7 to 3.4 Amps | B) 1.8 to 3.2 Amps |
| C) 2.2 to 3.2 Amps | D) 3.5 to 5.2 Amps |

45. What is the cause of electrodes burning in the spark plug?

- | | |
|-------------------------------|---------------------------|
| A) Plug runs too cold | B) Plug runs too hot |
| C) Incorrect tappet clearance | D) Incorrect fuel mixture |

46. Which sensor is used to alert the driver of unseen obstacles?

- | | |
|-------------------|--------------------|
| A) Speed sensor | B) Torque sensor |
| C) Parking sensor | D) Pressure sensor |

47. What is the cause of horn does not produce any sound?

- | | |
|-------------------------|---------------------------------|
| A) Tone disc damaged | B) Low voltage at horn terminal |
| C) Relay point stuck up | D) Fuse blown off |

48. What is the purpose of breaker plate in the distributor?

- | | |
|--|---|
| A) Prevents dirt, carbon into distributor | B) Distribute high tension surge to ignition coil |
| C) Conduct the ignition surge to the electrode | D) Acts as contact breaker |

49. What is the purpose of engine immobilizer?

- | | |
|---|---|
| A) o compensate from sun light entering vehicle | B) Electric opening and closing of door |
| C) Used to operate horn relay | D) Prevent from starting the engine |

50. What is the gas filled in the sealed beam head lights?

- | | |
|-----------------|---------------|
| A) Nitrogen gas | B) Argon gas |
| C) Hydrogen gas | D) Oxygen gas |

51. Which type of wipers are used for heavy motor vehicles?

- | | |
|--------------------------|----------------------------------|
| A) Vacuum operated wiper | B) Compressed air operated wiper |
| C) Hand operated wiper | D) Hydraulically operated wiper |

52. Which type of sensor located at the exhaust manifold?

- | | |
|-------------------------|-----------------------|
| A) Mass air flow sensor | B) Oxygen sensor |
| C) Air vertex sensor | D) Hall effect sensor |

53. Which type of lights provide maximum brightness in a shorter time?

- A) LED light
- C) LCD light

- B) Halogen light
- D) Neon light

54. What is the use of tail light?

- A) Provide interior illumination
- C) Provide enough visibility
- B) Indication to vehicle behind
- D) Indication to slowing down

55. What is the expansion of GPS in vehicle safety system?

- A) Global Preventing Systems
- C) General Positioning Satellites
- B) Global Positioning Satellites
- D) Global Placing Satellites

56. Which is the most commonly used wiper in all motor vehicles?

- A) Vacuum operated wipers
- C) Electrically operated wipers
- B) Hydraulically operated wipers
- D) Compressed air operated wipers

57. Which law states that the induction of electromotive force in any closed circuit is equal to the rate of change of magnetic flux?

- A) Ohms law
- C) Faradays law
- B) Law of resistance
- D) Charles law

58. What is the colour of front indicator lamps?

- A) Orange
- C) Green
- B) Red
- D) White

59. How to confirm the satisfactory function of air bag system?

- A) Air bag warning light come on during starting and stop during stopping
- C) Peep sound on during starting
- B) Warning light on and flash few times and go out during starting
- D) Warning light on with engine running through

60. What is the expansion of ICAT in the vehicle safety system?

- A) Indian combat advanced technology
- C) Intelligent computer advanced technology
- B) Indian computer advanced technology
- D) Intelligent computerized anti theft system

61. Which lighting circuit provided with dip and dim switch?

- A) Head light circuit
- C) Panel light circuit
- B) Fog light circuit
- D) Parking light circuit

62. What is the advantage of using side indicator in a vehicle?

- A) Provide effective illumination
- C) Indicate the vehicle behind

- B) Provide enough visibility
- D) Prevent accident while turning left and right

63. What is the firing order for four cylinder engine?

- A) 1,2,3,4
- C) 2,3,1,4
- B) 3,1,4,2
- D) 1,3,4,2

64. Why power windows are provided with lock out switch controlled by a driver?

- A) Improve easy handling
- C) Provide effective operation
- B) Prevent damage to windows
- D) Prevent accident

65. Where the red colour indicator lamps are provided in the vehicle?

- A) Pilot lamp
- C) Side of vehicle
- B) Rear side
- D) Front side

66. Which light give indication to the traffic behind the vehicle for slowing down?

- A) Fog light
- C) Stop light
- B) Dome light
- D) Head light

67. Which sensor is used to sense vibration?

- A) Hall effect sensor
- C) Vehicle speed sensor
- B) Engine knocking sensor
- D) Air vertex sensor

68. How much is the difference in resistance is permitted in the temperature sensor unit?

- A) More than 400 ohms
- C) More than 150 ohms
- B) More than 100 ohms
- D) More than 200 ohms

69. What is the use of single red lamp of 24 watts fitted at the rear?

- A) Give indication the traffic behind
- C) Provide enough visibility
- B) Provide interior illumination
- D) Help driver to see full width of road

70. What is the purpose of indexing pin provided in the bulb case?

- A) For easy identification
- C) Retain the bulb in the socket
- B) Complete the circuit
- D) Prevent damage to light socket

71. What will be the effect of the long heat path travel in the spark plug?

- A) Spark plug will run hot
- B) Improper atomisation

C) Life of spark plug increased

D) Spark plug will run cooler

72. What is the colour of pilot lamp provided in the vehicle?

A) White

B) Red

C) Orange

D) Green