

ITI Quiz - 28-Mar-2026

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Q. ID: ITISKILL9755UA

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Answer Key

Duration: 30 Mins

Total Marks: 367

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1. Which type of joint permit small diffraction angle and linear variations?

- A) Double joint
- B) Tripod joint
- C) Flexible discs
- D) Pot joint

Answer: C) Flexible discs

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

- A) LCD light
- B) Halogan light
- C) Neon light
- D) LED light

Answer: D) LED light

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

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

Answer: B) Tachometer

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

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

Answer: D) Combine high mechanical efficiency with smooth operation

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

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

Answer: B) Hold the occupant tightly in the seat

6. What will be the result of defective clutch?

- A) Gear slip
- B) Gear clash during shifting
- C) Noise in gear shifting
- D) Gear locked in one gear

Answer: C) Noise in gear shifting

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

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

Answer: A) Rear side

8. What is the advantage of dog clutch?

- A) Less pedal force to operate
- B) Easy maintenance and repair
- C) More frictional area
- D) No possibility of slip

Answer: D) No possibility of slip

9. What is the main cause for wear on one side of tyre?

- A) Improper camber
- B) Over inflation
- C) Improper caster
- D) Under inflation

Answer: A) Improper camber

10. Which type of gear box eliminates the defect of gear wheels move on the shaft to mesh with each other?

- A) Compound wheel mesh gear box
- B) Synchromesh gear box
- C) Constant mesh gear box
- D) Sliding mesh gear box

Answer: B) Synchromesh gear box

11. Which is the heart of integral power steering system?

- A) Rotary control valve
- B) Flow control valve
- C) Unloading valves
- D) Pressure relief valve

Answer: A) Rotary control valve

12. Which part of tyre referred as 'Crown'?

- A) Rim width
- B) Thread width
- C) Thread radius
- D) Tyre width

Answer: C) Thread radius

13. What is the advantage of TCS/ELSD brake circuit of wheel?

- A) Reduce fluid pressure
- B) Reduce the pressure at wheel cylinder
- C) Avoid wheel lockup by releasing pressure
- D) Automatic adjustment of engine torque to the grip rates

Answer: D) Automatic adjustment of engine torque to the grip rates

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

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

Answer: B) Crank and cam, shaft position sensor

15. What is the advantage of series winding type starter motor?

- A) Increase the life of armature
- B) Less cost of maintenance
- C) Produce constant starting torque
- D) Produce high starting torque

Answer: D) Produce high starting torque

16. What is the steering linkage ratio if the pitman arm length twice of steering arm length?

- A) 01:02
- B) 02:01
- C) 02:01
- D) 02:03

Answer: A) 01:02

17. Which type of shock absorber absorbs shocks with the help of friction disc and spring?

- A) Hydraulic type
- B) Mechanical type
- C) Pneumatic type
- D) Electrical type

Answer: B) Mechanical type

18. Which part of integral power steering reduce fluid pressure?

- A) Torsion bar
- B) Flow control valve
- C) Rotary valve
- D) Unloading valve

Answer: D) Unloading valve

19. What is the reason of steering wheel play excess?

- A) Drop in pressure
- B) Wornout sealing rings
- C) Low oil level
- D) Improper pre load defective steering

Answer: D) Improper pre load defective steering

20. Which gear will produce clicking noise during teeth contact?

- A) Worm gear
- B) Bevel gear
- C) Helical gear
- D) Spur gear

Answer: D) Spur gear

21. What is the name of distance between most protruding portions on both sides of tyre?

- A) Tyre width
- B) Tyre outer diameter
- C) Thread radius
- D) Tyre height

Answer: A) Tyre width

22. Which type of gear box can be operated even by unskilled driver?

- A) Compound wheel mesh gear box
- B) Synchromesh gear box
- C) Constant mesh gear box
- D) Sliding mesh gear box

Answer: B) Synchromesh gear box

23. What is the boiling point of refrigerant R-134a?

- A) 22.0 Degree Centigrade
- B) 20.5 Degree Centigrade
- C) 26.5 Degree Centigrade
- D) 27.8 Degree Centigrade

Answer: C) 26.5 Degree Centigrade

24. What is the purpose of condenser in the ignition system?

- A) Prevents arcs at the points
- B) Open and close the primary circuit
- C) Insulate spark plug electrodes
- D) Distribute high tension current to spark

Answer: A) Prevents arcs at the points

25. What is the expansion of LED?

- A) Limited electrical data
- B) Light emitting diodes
- C) Light electronic diodes
- D) Long electrical diodes

Answer: B) Light emitting diodes

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

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

Answer: A) Clogged nozzle

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

- A) Provide cushioning effect on the vehicle
- B) Provide positive road grip
- C) Observe shocks and vibration
- D) Increase the tyre life

Answer: D) Increase the tyre life

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

- A) Spark plug will run cooler
- B) Improper atomisation
- C) Spark plug will run hot
- D) Life of spark plug increased

Answer: C) Spark plug will run hot

29. What is the main feature of hydraulic actuated clutches?

- A) Pedal effort transmitted through fluid
- B) Pedal effort transmitted through coupling
- C) Pedal effort transmitted through spring
- D) Pedal effort transmitted through linkage

Answer: C) Pedal effort transmitted through spring

30. What is the range of steering ratio available in general?

- A) 10 : 1 to 18 : 1
- B) 11 : 1 to 24 : 1
- C) 11 : 2 to 22 : 2
- D) 8 : 2 to 22 : 2

Answer: B) 11 : 1 to 24 : 1

31. What will be effect of unequal castor in the vehicle?

- A) Increase steering stability
- B) Vehicle will not move
- C) Vehicle pull to one side wheel
- D) Driver have to use less effort on steering

Answer: C) Vehicle pull to one side wheel

32. Why vibration damper are not used inside the helical spring?

- A) Possibility of stuck in one position
- B) Not economical
- C) No effect on load carrying capacity
- D) Fitting and removing time consuming

Answer: D) Fitting and removing time consuming

33. Which part of bendix drive starting system limit the turning of the sleeve on the armature shaft?

- A) Bendix drive spring
- B) Anti drift spring
- C) Fly wheel
- D) Pinion

Answer: A) Bendix drive spring

34. Which sensor is used to sense vibration?

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

Answer: C) Engine knocking sensor

35. Which device in the air suspension system observe vibration of low amplitude and high frequency?

- A) Air bags in the system
- B) Shock absorber
- C) Suspension spring
- D) Leaf spring

Answer: B) Shock absorber

36. What is the purpose of beads and plys provided in the tyre?

- A) Provide grippness on the surface
- B) Provide strength to tyre
- C) Resist vibration
- D) Prevent tyre slip

Answer: B) Provide strength to tyre

37. What is the use of two small lamps fitted front and rear of vehicle?

- A) Provide illumination
- B) Used for parking on the road
- C) Used for parking on the road
- D) Used for visibility

Answer: C) Used for parking on the road

38. What is the permitted range of pedal play observed in the heavy vehicle?

- A) 16 -20 mm
- B) 2 -4 mm
- C) 6 -10 mm
- D) 15 -18 mm

Answer: C) 6 -10 mm

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

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

Answer: A) Coolant level

40. What is the function of Rim in the wheel construction?

- A) Support the axle
- B) Holds the tyre in correct position
- C) Distribute the load equally
- D) Provides balancing of vehicle

Answer: B) Holds the tyre in correct position

41. Which part connects propeller shaft?

- A) Crankshaft and final drive
- B) Clutch shaft and fly wheel
- C) Gear box and final drive
- D) Cam shaft and clutch shaft

Answer: C) Gear box and final drive

42. What is the disadvantage of independent suspension system?

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

Answer: B) More maintanance cost

43. What is the working principle of alternator?

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

Answer: D) Electromagnetic induction

44. What is the use of compact spare tyres?

- A) Used for high altitude
- B) Used for breakdown
- C) Withstand heavy load
- D) Withstand high temperature

Answer: B) Used for breakdown

45. Which part of integral power steering reduce fluid pressure?

- A) Flow control valve
- B) Unloading valve
- C) Rotary valve
- D) Torsion bar

Answer: B) Unloading valve

46. How the tyre height is calculated?

- A) Rim dia - tyre outer dia
- B) Tyre outer dia - Rim dia
- C) Thread width + Tyre width
- D) Tyre width + Bead circle dia

Answer: B) Tyre outer dia - Rim dia

47. When the driver is warned of difference in tyre pressure?

- A) Difference in pressure exceeds 40%
- B) Difference in pressure more than 20%
- C) Difference in pressure more than 10%
- D) Difference in pressure exceeds 30%

Answer: D) Difference in pressure exceeds 30%

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

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

Answer: A) Parking sensor

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

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

Answer: C) Fine polished steel wool

50. What is the effect of defective injector?

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

Answer: D) Engine does not start

51. Where the airbags are located in the air suspension system?

- A) Between brake tank and vehicle axle B) Between frame and vehicle axle
C) Between air pressure regulator and front axle D) Between high control valve and frame

Answer: B) Between frame and vehicle axle

52. What will be the result of worn teeth of ring gear in the starting system?

- A) Starter motor running too slow B) Motor not running no operating sound of magnetic switch
C) Starter motor running but not cranking D) Motor running but too fast

Answer: C) Starter motor running but not cranking

53. What is the range of steering ratio available in general?

- A) 11 : 1 to 24 : 1 B) 8 : 2 to 22 : 2
C) 11 : 2 to 22 : 2 D) 10 : 1 to 18 : 1

Answer: A) 11 : 1 to 24 : 1

54. Which angle helps in self centering of wheels after negotiating a turn?

- A) Camber angle B) King pin inclination
C) Included angle D) Castor angle

Answer: B) King pin inclination

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

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

Answer: D) Warning light on and flash few times and go out during starting

56. What is the use of cornering light in a vehicle?

- A) Provide enough visibility to driver B) Highlight the blind spot during bend
C) Provide interior illumination D) Indicate traffic behind vehicle

Answer: B) Highlight the blind spot during bend

57. Which electronic control system prevent stalling of engine when additional loads are placed on the engine?

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

Answer: D) Idle speed control system

58. Which type of drive line used in high gears and high speed applications?

- A) Front wheel drive line B) Center wheel drive line
C) All wheel drive line D) Rear wheel drive line

Answer: C) All wheel drive line

59. What is the contributory cause for the engine hard to start - cold?

- A) Defective oil pressure B) Thermo time switch faulty
C) Damaged radiator D) Faulty fuel filter

Answer: B) Thermo time switch faulty

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

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

Answer: C) Special type castiron

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

- A) Integral power steering B) Electronic power steering
C) Manual steering D) Linkage power steering

Answer: B) Electronic power steering

62. Which part of air conditioning system remove heat from air and transfer to the refrigerant?

- A) Evaporator B) Condenser
C) Blower D) Receiver

Answer: A) Evaporator

63. Which system provides DC power source for the various units of the vehicles?

- A) Charging system B) Steering system
C) Storage system D) Lighting system

Answer: C) Storage system

64. Why light weight cars use low steering ratio?

- A) To obtain large steering effect B) To obtain low steering effect

- C) To obtain constant steering effect D) To obtain no steering effect

Answer: A) To obtain large steering effect

65. Which device in electronic power steering converts the steering torque input and its direction in to voltage signals?

- A) Temperature sensor B) Rotation sensor
C) Torque sensor D) Hall effect sensor

Answer: C) Torque sensor

66. 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

67. What is the purpose of spokes provided in the wheel?

- A) Support the chassis frame of vehicle B) Provide accurate rounds of rim
C) Provide directional stability of vehicle D) Distribute pre load evenly

Answer: B) Provide accurate rounds of rim

68. What is the function of condenser?

- A) Convert refrigerant to vapour B) Control the refrigerant flow
C) Absorbs moisture in the system D) Cool the hot refrigerant

Answer: D) Cool the hot refrigerant

69. Which type of shock absorber maintain vehicle ride at a pre - set level according to the load placed over the rear axle?

- A) Gas pressurised shock absorber B) Mechanical shock absorber
C) Hydraulic shock absorber D) Automatic load adjustable shock absorber

Answer: D) Automatic load adjustable shock absorber

70. How the armature winding ends are connected with commutator?

- A) By welding B) By riveting
C) By soldering D) By brazing

Answer: C) By soldering

71. What is the purpose of air suspension?

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

Answer: A) Used for leveling purpose

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

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

Answer: C) Stop light

73. 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

Answer: B) Provide additional fuel during starting

74. Which type of gear will have more than one tooth in contact at the same time

- A) Spur gear B) Spur bevel gear
C) Rack and Pinion D) Helical gear

Answer: D) Helical gear

75. Which system deals with alternator?

- A) Starting system B) Steering system
C) Charging system D) HVAC system

Answer: C) Charging system

76. Where the tyre pressure sensor secured in the wheel assembly?

- A) Bolted to metal valve B) Secured in the wheel hub
C) Secured in the tyre outer edges D) Bolted to the rim centre

Answer: A) Bolted to metal valve

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

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

Answer: D) Idle air control valve

78. Which part of tyre referred as 'Crown'?

- A) Rim width B) Thread width
C) Thread radius D) Tyre width

Answer: C) Thread radius

79. Which wire of servo motor connected to power supply?

- A) Yellow B) Black
C) White D) Red

Answer: D) Red

80. What causes the defect of 'Hard steering' in the hydraulic power steering system?

- A) Tie rod loose fitting B) Band axle beam
C) Improper position of drop arm D) Improper size of tyre

Answer: B) Band axle beam

81. Which system not connected with electrical system?

- A) Steering system
- B) Transmission system
- C) Suspension system
- D) Charging system

Answer: B) Transmission system

82. What is the function of over running clutch in the starting system?

- A) Operate the solenoid
- B) Protect armature from damage
- C) Drive the armature shaft
- D) Prevent sliding movement of pinion

Answer: B) Protect armature from damage

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

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

Answer: B) Vehicle pulling to one side

84. What is the function of clutch?

- A) Reduce the noise during engine running
- B) Increase and decrease the RPM of engine
- C) Prevent malfunctioning of fly wheel
- D) Connect and disconnect power flow engine to gear box

Answer: D) Connect and disconnect power flow engine to gear box

85. What is the motive of vehicle information report?

- A) Provide information about vehicle safety
- B) Provide information about warming system
- C) Provide information about vehicle registration history
- D) Provide information about tracking of vehicle

Answer: C) Provide information about vehicle registration history

86. What is the function of solenoid switch?

- A) Open and close the circuit between primary and secondary
- B) Close the contact between battery and starting motor
- C) Shift the lever to engage the plunger
- D) Stepdown voltage from primary to secondary winding

Answer: B) Close the contact between battery and starting motor

87. What is the cause of low voltage output from alternator?

- A) Loose drive pulley
- B) Loose mountings
- C) Faulty regulator
- D) Wornout bearing

Answer: C) Faulty regulator

88. Which type of head light provide 25% more light than sealed beam head lights?

- A) LCD type head light
- B) Neon type head light
- C) LED type head light
- D) Halogen head light

Answer: D) Halogen head light

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

- A) Provide cushioning effect on the vehicle
- B) Observe shocks and vibration
- C) Provide positive road grip
- D) Increase the tyre life

Answer: D) Increase the tyre life

90. What is the advantage of electronic power steering?

- A) Number of components are less
- B) Compact in size
- C) Energy being consumed only while steering
- D) Less occupation of space

Answer: C) Energy being consumed only while steering

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

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

Answer: B) Prevents dirt, carbon into distributor

92. What will be the effect of negative camber excessive in the wheel alignment?

- A) Cracks developed in the tyre tread
- B) Inner edge of tyre wear out faster
- C) Centre of tyre wearout faster
- D) Outer edge of tyre wearout faster

Answer: B) Inner edge of tyre wear out faster

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

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

Answer: B) Carbon fiber reinforced carbon composite

94. What is the function ambient temperature sensor in the air conditioning system?

- A) Monitor air temperature outside vehicle
- B) Monitor air temperature at the exhaust
- C) Monitor air temperature in driver cabin
- D) Monitor air temperature inside vehicle

Answer: A) Monitor air temperature outside vehicle

95. 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
- C) 200 to 215 PSI
- D) 120 to 125 PSI

Answer: D) 120 to 125 PSI

96. What is the purpose of engine immobilizer?

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

Answer: B) Prevent from starting the engine

97. What causes no charge when engine is running?

- A) Brushes not seating properly
- B) Sticky regulator
- C) Shorted rectifier
- D) Drive belt loose

Answer: D) Drive belt loose

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

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

Answer: C) Prevent accident

99. What will be effect of unequal castor in the vehicle?

- A) Driver have to use less effort on steering
- B) Increase steering stability
- C) Vehicle will not move
- D) Vehicle pull to one side wheel

Answer: D) Vehicle pull to one side wheel

100. Which type of gear converts rotary motion in to linear motion and vice versa?

- A) Helical gears
- B) Spur gear
- C) Rack and Pinion
- D) Bevel gear

Answer: C) Rack and Pinion

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

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

Answer: D) Oxygen sensor

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

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

Answer: B) Rotate the alternator rotor

103. What is the cause of noise in steering?

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

Answer: A) Presence of air in the fluid

104. Which part of air conditioning system absorbs moisture

in the system?

- A) Receiver
- B) Evaporator
- C) Expansion valve
- D) Condenser

Answer: A) Receiver

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

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

Answer: B) Fuel injection control system

106. What is the cause of low pressure in the hydraulic power steering system?

- A) Low oil level
- B) Wornout sealing ring
- C) Wrong flow control valve setting
- D) Air in the system

Answer: C) Wrong flow control valve setting

107. What causes the defect of Hard steering in the hydraulic power steering system?

- A) Band axle beam
- B) Improper position of drop arm
- C) Tie rod loose fitting
- D) Improper size of tyre

Answer: A) Band axle beam

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

- A) Maintain directional stability and control
- B) Reduce abnormal vibration
- C) Reduce tyre wear
- D) Convert steering torque input into voltage signal

Answer: A) Maintain directional stability and control

109. What is the function of drive end frame in the alternator?

- A) Connecting to spring loaded brush
- B) Allow current flow in one direction
- C) Support the pre lubricated sealed bearing
- D) Carriers driving pulley

Answer: C) Support the pre lubricated sealed bearing

110. Which type of shock absorber is easy for replacement and handling?

- A) Vane type
- B) Telescopic type
- C) Mechanical type
- D) Piston type

Answer: B) Telescopic type

111. Which type of clutch provides more frictional area and simple in construction?

- A) Cone clutch
- B) Dog clutch
- C) Diaphragm spring clutch
- D) Multi plate clutch

Answer: A) Cone clutch

112. What is the function of diodes?

- A) Step down voltage
- B) Convert AC to DC
- C) Step up voltage
- D) Convert DC to AC

Answer: B) Convert AC to DC

113. What will be the effect of negative scrub radius?

- A) Wheel is kept in straight position
- B) Wheel is caused to toe - in
- C) Wheel is caused to toe - out
- D) The tyre centre portion wear out

Answer: B) Wheel is caused to toe - in

114. Which is the cause for high oil consumption?

- A) Oil filter clogged
- B) Worn-out valve guides
- C) Low oil level
- D) Oil viscosity high

Answer: B) Worn-out valve guides

115. How to rectify the hard gear shifting?

- A) Check and realign
- B) Re - install springs correctly
- C) Lubricate the unit
- D) Adjust clutch pedal free play

Answer: D) Adjust clutch pedal free play

116. What causes 'Air suction' in pump of hydraulic power steering system?

- A) Noise
- B) Steering wheel play
- C) High fluid level
- D) Low pressure

Answer: A) Noise

117. What is the adverse effect of fly wheel ring to starter pinion ratio is very high?

- A) Increase the starting torque
- B) Damage to starter motor
- C) Reduce the starting torque
- D) Starter motor fails to start

Answer: B) Damage to starter motor

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

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

Answer: C) Green

119. Which type of wheel consist two separate discs are clamped together?

- A) Disc wheel
- B) Split wheel
- C) Heavy vehicle
- D) Wire wheel

Answer: B) Split wheel

120. Which type of horn consist electrically driven air pump forces air through plastic trumpet?

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

Answer: A) Wind horn

121. Which rating indicate the braking capabilities of the tire to the consumer?

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

Answer: D) Traction rating

122. What is the contributory cause of starter motor running but not cranking?

- A) Abnormally worn brush
- B) Poor contacting action of ignition
- C) Faulty ECM circuit
- D) Over running clutch slipping

Answer: D) Over running clutch slipping

123. Which part provides flexible connection and permits smooth transfer of torque from gear box to the rear axle?

- A) Fly wheel
- B) Clutch shaft
- C) Universal joint
- D) Half shaft

Answer: C) Universal joint

124. What is the function of vehicle control module?

- A) Control anti clock brake system
- B) Control actuators of engine
- C) Control engine and vehicle performance
- D) Handle transmission

Answer: C) Control engine and vehicle performance

125. What is the cause of window glass is not lifting while motor running properly?

- A) Window glass lifting regulator defective
- B) Motor is defective
- C) Glass door channels unserviceable
- D) Power window switch defective

Answer: A) Window glass lifting regulator defective

126. Which way the steering system increase the tire life?

- A) Providing proper brake adjustment
- B) By maintaining proper angle between tyres
- C) Providing adequate lubrication
- D) By applying grease on the steering controls

Answer: B) By maintaining proper angle between tyres

127. How the tyre is specified?

- A) Ply rating, tyre inner circle dia, shoulder width
- B) Shoulder dia, Bead circle dia, Ply rating
- C) Shoulder width, Bead circle dia, Ply rating
- D) Shoulder width, Tyre thickness

Answer: C) Shoulder width, Bead circle dia. Ply rating

128. What is the purpose of alternator?

- A) Produce variable electric supply at high RPM
- B) Produce more electricity at high RPM
- C) Produce constant electric supply at high RPM
- D) Produce more electricity at low RPM

Answer: D) Produce more electricity at low RPM

129. What is the permitted spark plug gap in general?

- A) 2.03 mm
- B) 2.92 mm
- C) 2.53 mm
- D) 2.83 mm

Answer: A) 2.03 mm

130. What is the purpose of slot provided in the laminated cylindrical iron core of stator assembly?

- A) For lubrication
- B) For easy fitting
- C) For fitting insulated windings
- D) Provide space for cooling

Answer: C) For fitting insulated windings

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

- A) 6 mm to 12 mm
- B) 8 mm to 10 mm
- C) 4 mm to 8 mm
- D) 13 mm to 18 mm

Answer: A) 6 mm to 12 mm

132. Which light provide effective illumination during snowfall?

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

Answer: D) Fog light

133. Which type of gear will not produce axial thrust but it neutralizes the axial thrust?

- A) Spur gear
- B) Bevel gear
- C) Herring bone gears
- D) Worm gear

Answer: C) Herring bone gears

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

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

Answer: C) Help driver to see full width of road

135. What is the function of rotor assembly?

- A) Allow the current flow in one direction
- B) Supports pre lubricated scaled bearing
- C) Supports rectifier mounting plates
- D) Carriers driving pulley and cooling fan

Answer: D) Carriers driving pulley and cooling fan

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

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

Answer: C) 7 to 12 mm

137. What is the main cause for wear on one side of tyre?

- A) Under inflation
- B) Improper camber
- C) Improper caster
- D) Over inflation

Answer: B) Improper camber

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

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

Answer: C) Under side of instrument panel

139. What is the advantage of using servo motor in air conditioning system?

- A) Suitable for precision control of rotation
- B) Low cost of maintenance
- C) High speed operation possible
- D) Suitable to prevent vibration

Answer: C) High speed operation possible

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

- A) On the reservoir
- B) On the pistons head
- C) On the cylinder head
- D) On the bypass port

Answer: B) On the pistons head

141. What is the advantage of using power steering system?

- A) To turn and control vehicle with less effort
- B) To enhance the fuel efficiency
- C) To increase the engine power
- D) To reduce the fuel consumption

Answer: A) To turn and control vehicle with less effort

142. What is the cause of 'Poor self centering' in a vehicle?

- A) Loose wheel level
- B) Filter choked
- C) Low oil level
- D) Improper wheel alignment

Answer: D) Improper wheel alignment

143. What is to be checked for low power generation of engine?

- A) Clogged oil filter
- B) Clogged air cleaner
- C) Battery condition
- D) Water level

Answer: B) Clogged air cleaner

144. Which part of coil spring allows angular movement of

linkages?

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

Answer: B) Ball joint

145. Which is not the benefit of power steering?

- A) Positive breaking system
- B) Quick response
- C) Effort less steering
- D) Absolute control during driving

Answer: A) Positive breaking system

146. What is reason for low oil pressure?

- A) Defective pressure release valve
- B) Oil level is high
- C) Clogged oil filter
- D) Clogged air filter

Answer: A) Defective pressure release valve

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

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

Answer: D) Brake valve

148. What is the disadvantage of rigid axle suspension system?

- A) Spring weight is less
- B) This is a complicated arrangement
- C) Vibration damping is less effective
- D) Maintenance cost is more

Answer: C) Vibration damping is less effective

149. What is the impact of larger scrub radius?

- A) Wear on the outer edge of tyre
- B) Wear on the centre part of tyre
- C) Bending of steering linkage point
- D) Unequal braking on the front wheel

Answer: D) Unequal braking on the front wheel

150. Which type of gear will not produce axial thrust while transmitting torque

- A) Spur gear
- B) Spiral bevel gear
- C) Helical gears
- D) Worm gears

Answer: A) Spur gear

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

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

Answer: A) Plug runs too hot

152. What is the permitted diffraction angle of pot joint?

- A) 22 Degree
- B) 18 Degree

- C) 26 Degree
- D) 20 Degree

Answer: A) 22 Degree

153. What is the disadvantage of independent suspension system?

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

Answer: C) More maintenance cost

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

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

Answer: B) 1,3,4,2

155. How much DC supply voltage required for servo motor?

- A) 5V to 7.5 V
- B) 3.5 V to 8 V
- C) 4 V to 8 V
- D) 4.8 V to 6 V

Answer: D) 4.8 V to 6 V

156. Which type of gear box provided with helical gears?

- A) Sliding mesh gear box
- B) Auto synchromesh gear box
- C) Synchromesh gear box
- D) Constant mesh gear box

Answer: D) Constant mesh gear box

157. What is the steering linkage ratio if the pitman arm length twice of steering arm length?

- A) 01:02
- B) 02:01
- C) 02:01
- D) 02:03

Answer: A) 01:02

158. What is the average power steering gear ratio followed in general?

- A) Equal to manual steering
- B) 20% less than manual steering
- C) 40% less than manual steering
- D) 10% more than manual steering

Answer: B) 20% less than manual steering

159. Why the alternate spokes are screwed to slope forward and backward towards the rim in the wire wheel?

- A) To observe braking and driving torque
- B) To take the uneven load
- C) To distribute the load evenly
- D) To provide cushioning effect

Answer: A) To observe braking and driving torque

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

- A) Manual steering
- B) Electronic power steering

- C) Integral power steering D) Linkage power steering

Answer: B) Electronic power steering

161. What is the cause for high fuel consumption in diesel engine?

- A) Piston ring worn-out B) Fuel level in tank is high
C) Oil level high D) High compression pressure

Answer: A) Piston ring worn-out

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

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

Answer: A) Faradays law

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

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

Answer: C) Wrong injection timing

164. What is the cause of 'Poor self centering?' in a vehicle?

- A) Filter choked B) Improper wheel alignment
C) Low oil level D) Loose wheel level

Answer: B) Improper wheel alignment

165. Which type of suspension spring made of fibre glass, laminated and bonded together by tough polyster resins?

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

Answer: D) Fiber composite springs

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

- A) Reduce tyre wear B) Reduce abnormal vibration
C) Convert steering torque input into voltage signal D) Maintain directional stability and control

Answer: D) Maintain directional stability and control

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

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

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

168. What is the possible cause of motor not running and no operating sound of magnetic switch?

- A) Worn pinion tip B) Worn brushes

- C) Battery discharged D) Burnt commutator

Answer: C) Battery discharged

169. What is the name of seal used between two parts that do not move in relation to each other?

- A) Square cut seal B) Static seal
C) Dynamic seal D) Teflow seal

Answer: B) Static seal

170. How the tyre is specified?

- A) Shoulder width, Tyre thickness B) Shoulder width, Boad circle dia. Ply rating
C) Ply rating, tyre inner circle dia, shoulder width D) Shoulder dia, Bead circle dia, Ply rating

Answer: B) Shoulder width, Boad circle dia. Ply rating

171. Where the starter motor located?

- A) Bottom of engine B) Front side of engine
C) Rear side of engine D) Top side of engine

Answer: C) Rear side of engine

172. What is the recommended valve of combined angle in the steering system?

- A) 5 - 8 Degree B) 12 - 15 Degree
C) 9 - 10 Degree D) 15 - 18 Degree

Answer: C) 9 - 10 Degree

173. What does the third digit of system trouble code no.6 deals with in scan tool letter code?

- A) Computer system B) Ignition system
C) Transmission system D) Emission system

Answer: A) Computer system

174. Which system provided between axles and chassis frame?

- A) Suspension system B) Steering system
C) Cooling system D) Braking system

Answer: A) Suspension system

175. What is the effect of discharged battery?

- A) Engine does not crank B) Air lock in the fuel system
C) Abnormal noise in the engine D) Engine back fire

Answer: A) Engine does not crank

176. What will be the effect of negative camber excessive in the wheel alignment?

- A) Centreof tyre wearout faster B) Cracks developed in the tyre tread
C) Outer edge of tyre wearout faster D) Inner edge of tyre wear out faster

Answer: D) Inner edge of tyre wear out faster

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

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

Answer: D) Panel light circuit

178. What is the cause for high oil consumption?

- A) Clogged air cleaner
- B) Weak compression
- C) Clogged oil filter
- D) Coolant level

Answer: B) Weak compression

179. What will be the effect of negative scrub radius?

- A) Wheel is caused to toe - out
- B) Wheel is kept in straight position
- C) Wheel is caused to toe - in
- D) The tyre centre portion wear out

Answer: C) Wheel is caused to toe - in

180. What is the advantage of multiplex network?

- A) Prevent malfunctioning of air bag system
- B) Determine vehicle tracking system
- C) Improve vehicle safety system
- D) Reduce system cost and weight

Answer: B) Determine vehicle tracking system

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

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

Answer: B) Mass air flow sensor

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

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

Answer: C) 2.7 to 3.4 Amps

183. Which factor does not affect the torque transmission by clutch?

- A) Number of clutch plates used
- B) Axial load on the clutch
- C) Size of clutch plat
- D) Co-efficient of friction

Answer: B) Axial load on the clutch

184. Why tyre wear found abnormal in the vehicle?

- A) Improper linkage adjustment
- B) Improper tol-in and tol - out
- C) Improper tyre pressure
- D) Loose wheel nut

Answer: B) Improper tol-in and tol - out

185. Which type of synchromesh gear box used for heavy

commercial vehicles?

- A) Multi and double cone type
- B) Baulk type
- C) Baulk ring type
- D) Porche type

Answer: A) Multi and double cone type

186. Which labour act provide information regarding accidents death, or disability?

- A) Minimum wages act 1948
- B) Employees P.F act 1952
- C) Employees statate insuracne act 1948
- D) Workers compensation act 1923

Answer: D) Workers compensation act 1923

187. What is the maximum air pressure supplied by the compressor in the air suspension system?

- A) 180 to 210 PSI
- B) 200 to 215 PSI
- C) 120 to 125 PSI
- D) 100 to 115 PSI

Answer: C) 120 to 125 PSI

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

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

Answer: A) Head light circuit

189. Which is not the function of suspension system?

- A) It transfer braking torque to the chassis
- B) It maintains body level
- C) It increase steering stability
- D) It gives cushioning effects

Answer: C) It increase steering stability

190. What is the purpose of beads and plys provided in the tyre?

- A) Prevent tyre slip
- B) Provide grippness on the surface
- C) Provide strength to tyre
- D) Resist vibration

Answer: C) Provide strength to tyre

191. What is the permitted diffraction angle of double joint?

- A) 72 Degree
- B) 50 Degree
- C) 62 Degree
- D) 58 Degree

Answer: B) 50 Degree

192. What is the cause of 'Wheel wobbling'?

- A) Wrong hose size
- B) Improper tyre pressure
- C) King pin wornout
- D) Drop in pressure

Answer: C) King pin wornout

193. Which type of synchromesh gear box will produce torque more than three times of other types?

- A) Baulk type
- B) Porche type

- C) Balk ring type D) Multi and Double cone

Answer: D) Multi and Double cone

194. What is the use of compact spare tyres?

- A) Used for high altitude B) Used for breakdown
C) Withstand heavy load D) Withstand high temperature

Answer: B) Used for breakdown

195. What is the advantage of using non reactive suspension arrangement on multi-axle vehicles?

- A) Good braking efficiency in both rear wheels B) Better riding comfort
C) Increased spring life D) Prevention of ratting

Answer: A) Good braking efficiency in both rear wheels

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

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

Answer: D) Electrically operated wipers

197. Which type of ECU is the combination of ECM and TCM in the vehicle?

- A) VCM B) EBCM
C) PCM D) BCM

Answer: C) PCM

198. What is the necessity of square cut seals?

- A) Provide cushioning effect B) Withstand radial movement
C) Prevent the seal rolling in groove D) Prevent fluid leakage

Answer: C) Prevent the seal rolling in groove

199. Which type of suspension spring can not transfer wheel guidance forces?

- A) Helical springs B) Leaf springs
C) Coil springs D) Compression springs

Answer: A) Helical springs

200. What is the aspect ratio in the tyre structure?

- A) Percentage ratio of tyre height to tyre width B) Ratio between tyre width to Rim width
C) Ratio between tyre height to tyre dia D) Percentage ratio of tyre height to Rim width

Answer: A) Percentage ratio of tyre height to tyre width

201. Which type of shock absorber maintain vehicle ride at a pre - set level according to the load placed over the rear axle?

- A) Automatic load adjustable shock absorber B) Hydraulic shock absorber

- C) Mechanical shock absorber D) Gas pressurised shock absorber

Answer: A) Automatic load adjustable shock absorber

202. Which factor affecting suspension?

- A) Damaged chassis frame B) Abnormal tyre wear
C) More shocks, uncomfortable riding D) Wornout spring

Answer: D) Wornout spring

203. Which angle helps in self centering of wheels after negotiating a turn?

- A) Camber angle B) Included angle
C) King pin inclination D) Castor angle

Answer: C) King pin inclination

204. What is the cause of ? low pressure? in the hydraulic power steering system?

- A) Air in the system B) Wornout sealing ring
C) Low oil level D) Wrong flow control valve setting

Answer: D) Wrong flow control valve setting

205. Which type of independent suspension system simple in construction and allow more deflection of the front wheel without effect on the steering?

- A) Conventional suspension B) Coil spring suspension
C) Torsion bar suspension D) Strut type suspension

Answer: D) Strut type suspension

206. Where the airbags are located in the air suspension system?

- A) Between high control valve and frame B) Between brake tank and vehicle axle
C) Between air pressure regulator and front axle D) Between frame and vehicle axle

Answer: D) Between frame and vehicle axle

207. Why synchromesh action is needed in a gear box?

- A) Easy gear shifting when vehicle in motion B) Prevent cushioning effect during gear shifting
C) Damage the gear teeth during gear change D) Provide noise in gear shifting

Answer: A) Easy gear shifting when vehicle in motion

208. What is the aspect ratio in the tyre structure?

- A) Percentage ratio of tyre height to Rim width B) Percentage ratio of tyre height to tyre width
C) Ratio between tyre height to tyre dia D) Ratio between tyre width to Rim width

Answer: B) Percentage ratio of tyre height to tyre width

209. Which system provided between axles and chassis frame?

- A) Braking system
- B) Steering system
- C) Suspension system
- D) Cooling system

Answer: C) Suspension system

210. What is the cause for engine fails to start?

- A) Defective water pump
- B) Defective starter motor
- C) Defective thermostat
- D) Defective oil pump

Answer: B) Defective starter motor

211. What is the impact of larger scrub radius?

- A) Bending of steering linkage point
- B) Unequal braking on the front wheel
- C) Wear on the centre part of tyre
- D) Wear on the outer edge of tyre

Answer: B) Unequal braking on the front wheel

212. What is the function of steering system?

- A) To guide the vehicle
- B) To control the braking system
- C) To control the fuel system
- D) To increase the engine RPM

Answer: A) To guide the vehicle

213. What is the disadvantage of excessive positive camber in the wheel alignment?

- A) Tyre outer edge will wearout fast
- B) Tyre centre will wearout
- C) Tyre thread wear out
- D) Tyre bleeding wire wear out

Answer: A) Tyre outer edge will wearout fast

214. What is the purpose of spokes provided in the wheel?

- A) Provide directional stability of vehicle
- B) Distribute pre load evenly
- C) Support the chassis frame of vehicle
- D) Provide accurate rounds of rim

Answer: D) Provide accurate rounds of rim

215. What is the advantage of mechanical actuated type clutches?

- A) Less maintenance and repair
- B) Easy to operate
- C) Less pedal effort
- D) Smooth functioning

Answer: A) Less maintenance and repair

216. Why it is necessary to disengage the starter pinion from fly wheel ring gear once the engine has started?

- A) Prevent damage to starter motor
- B) Increase the fuel efficiency
- C) Reduce the wear on commutator
- D) Prevent wastage of current

Answer: A) Prevent damage to starter motor

217. What is the reason of gear locked in one gear position?

- A) Gear teeth wornout
- B) Synchronizing unit stuck
- C) Synchronizer wornout
- D) In adequate lubrication

Answer: B) Synchronizing unit stuck

218. What is the advantage of electronic power steering?

- A) Compact in size
- B) Less occupation of space
- C) Energy being consumed only while steering
- D) Number of components are less

Answer: C) Energy being consumed only while steering

219. What is the purpose of tachometer?

- A) Indictae fuel level
- B) Indicate oil pressure
- C) Indicate engine RPM
- D) Indicate coolant temperature

Answer: C) Indicate engine RPM

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

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

Answer: C) Engine hard to start - Hot

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

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

Answer: C) Argon gas

222. What should be the high air flow rate permitted while doing performance checking in automobile AC system?

- A) 6 kg per min
- B) 10 kg per min
- C) 4 kg per min
- D) 8 kg per min

Answer: D) 8 kg per min

223. What is the advantage of dual mass fly wheel?

- A) Reduction of gear box and body noises
- B) Prevent wrong clutch engagements
- C) Transmit the torque with less effort
- D) Reduce the possibility of clutch slip

Answer: A) Reduction of gear box and body noises

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

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

Answer: A) Improve combustion swirl

225. What is the mechanical cause of engine does not start?

- A) Oil pump gear worn out B) Radiator cap blocked
C) Oil filter blocked D) Fuel tank cap vent hole blocked

Answer: D) Fuel tank cap vent hole blocked

226. Where the ambient temperature sensor is located in the vehicle?

- A) Behind the grill B) Top of servo motor
C) Front axle D) Rear side of engine

Answer: A) Behind the grill

227. What is the recommended valve of combined angle in the steering system?

- A) 5 - 8 Degree B) 9 - 10 Degree
C) 12 - 15 Degree D) 15 - 18 Degree

Answer: B) 9 - 10 Degree

228. Which type of DC starter motor generally used in automoniles?

- A) Compound type B) Series type
C) Parallel type D) Shunt type

Answer: B) Series type

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

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

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

230. What is the cause of noise in steering?

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

Answer: D) Presence of air in the fluid

231. What is the effect of defective oil pump?

- A) Detonation occur B) High oil pressure
C) Engine seized D) Low oil pressure

Answer: C) Engine seized

232. Which part of heavy vehicle deals with static and dynamic loads without deflection or distortion?

- A) Control system B) Engine
C) Power trains D) Chassis and frames

Answer: D) Chassis and frames

233. What is the purpose of brake proportioning valves in the braking system?

- A) Increase braking efficiency B) Prevent front wheel lockup

- C) Reduces brake pedal effort D) Provide balanced braking effort

Answer: D) Provide balanced braking effort

234. Why rubber buffer is provided in the main spring of suspension system?

- A) Protect chassis frame from heavy jerk B) Provide steering control stability
C) Transfer pay load smoothly D) Transfer the load equally

Answer: A) Protect chassis frame from heavy jerk

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

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

Answer: A) Two

236. Which sensor causes off the outside air inlet or other odours?

- A) Sunload sensor B) Smog sensor
C) Infrared sensor D) Temperature sensor

Answer: B) Smog sensor

237. Which type of shock absorber absorbs shocks with the help of friction disc and spring?

- A) Mechanical type B) Electrical type
C) Hydraulic type D) Pneumatic type

Answer: A) Mechanical type

238. Where the tyre pressure sensor secured in the wheel assembly?

- A) Secured in the wheel hub B) Secured in the tyre outer edges
C) Bolted to metal valve D) Bolted to the rim centre

Answer: C) Bolted to metal valve

239. Which facor affecting suspension?

- A) Abnormal tyre wear B) Damaged chassis frame
C) Wornout spring D) More shocks, uncomfortable riding

Answer: C) Wornout spring

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

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

Answer: B) Vehicle pulling to one side

241. Which is not the part of servo motor assembly?

- A) Gear reduction unit B) Normal DC motor
C) Position sensor D) Expansion valve

Answer: D) Expansion valve

242. Which principle is applicable for hydraulic brakes?

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

Answer: A) Pascal's law

243. What will be the result of loose drive pulley in the alternator?

- A) Charges at high rate
- B) Low voltage output from alternator
- C) No change when engine running
- D) Alternator noisy

Answer: D) Alternator noisy

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

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

Answer: D) By ignition switch

245. 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

Answer: A) To protect the driver and passenger

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

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

Answer: B) Ball joint

247. Which device in electronic power steering converts the steering torque input and its direction in to voltage signals?

- A) Hall effect sensor
- B) Torque sensor
- C) Rotation sensor
- D) Temperature sensor

Answer: B) Torque sensor

248. What is the effect of weak suspension?

- A) Directional instability of vehicle
- B) Vibration damping is more effective
- C) Unequal weight distribution of weight
- D) Carrying excessive payload of vehicle

Answer: A) Directional instability of vehicle

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

- A) Asbestos
- B) Mica
- C) Resin
- D) Fibre glass

Answer: C) Resin

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

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

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

251. Why the alternate spokes are screwed to slope forward and backward towards the rim in the wire wheel?

- A) To distribute the load evenly
- B) To take the uneven load
- C) To provide cushioning effect
- D) To observe braking and driving torque

Answer: D) To observe braking and driving torque

252. What causes charges at high rate in the alternator?

- A) Open field current
- B) Voltage regulator setting too high
- C) Voltage regulator setting too low
- D) Open rectifier circuit

Answer: B) Voltage regulator setting too high

253. What is the advantage of using non reactive suspension arrangement on multi-axle vehicles?

- A) Increased spring life
- B) Prevention of ratting
- C) Good braking efficiency in both rear wheels
- D) Better riding comfort

Answer: C) Good braking efficiency in both rear wheels

254. Which type of manual provide information about engine no, chassis no and engine capacity?

- A) Repair manual
- B) Owners manual
- C) Shop manual
- D) Labour guide

Answer: B) Owners manual

255. Which type of ECU control the power windows of vehicle?

- A) EBCM
- B) BCM
- C) ECM
- D) VCM

Answer: B) BCM

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

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

Answer: B) Compressed air operated wiper

257. Which type of suspension spring can not transfer wheel guidance forces?

- A) Coil springs
- B) Leaf springs
- C) Compression springs
- D) Helical springs

Answer: D) Helical springs

258. What does the first unit identify in the scan tool letter code?

- A) Trouble code reference system
- B) Specific failure
- C) Type of error
- D) Manufacturer unique number

Answer: C) Type of error

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

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

Answer: A) Retain the bulb in the socket

260. What is the colour of front indicator lamps?

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

Answer: C) Orange

261. Why light weight cars use low steering ratio?

- A) To obtain low steering effect
- B) To obtain large steering effect
- C) To obtain constant steering effect
- D) To obtain no steering effect

Answer: B) To obtain large steering effect

262. Which is the heart of integral power steering system?

- A) Flow control valve
- B) Rotary control valve
- C) Pressure relief valve
- D) Unloading valves

Answer: B) Rotary control valve

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

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

Answer: B) Multiple - leaf spring

264. Why anti drift spring is provided in the bendix drive starting system?

- A) Provide grip over armature shaft
- B) Avoid the side way movement of armature shaft
- C) Resist wear on the fly wheel
- D) Prevent pinion striking fly wheel

Answer: D) Prevent pinion striking fly wheel

265. What is the minimum RPM of crank shaft required to start the engine?

- A) 180 RPM
- B) 100 RPM
- C) 150 RPM
- D) 200 RPM

Answer: B) 100 RPM

266. What is the disadvantage of rigid axle suspension system?

- A) Maintenance cost is more
- B) Vibration damping is less effective
- C) This is a complicated arrangement
- D) Spring weight is less

Answer: B) Vibration damping is less effective

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

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

Answer: C) Intelligent computerized anti theft system

268. Which is not the function of suspension system?

- A) It maintains body level
- B) It increase steering stability
- C) It gives cushioning effects
- D) It transfer braking torque to the chassis

Answer: B) It increase steering stability

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

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

Answer: D) Fuse blown off

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

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

Answer: D) Triangulation

271. What is the advantage of using single plate hydraulic clutch?

- A) Reduce the wear on the clutch plate
- B) Minimize the force to operate the clutch
- C) Easy repair and maintance
- D) Effective frictional force obtained

Answer: B) Minimize the force to operate the clutch

272. Why vibration damper are not used inside the helical spring?

- A) Possibility of stuck in one position
- B) Fitting and removing time consuming
- C) Not economical
- D) No effect on load carrying capacity

Answer: B) Fitting and removing time consuming

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

- A) Defective suspension system
- B) Under inflated tyre
- C) Un equal load distribution
- D) Over inflated tyre

Answer: B) Under inflated tyre

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

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

Answer: D) Produce good sealing

275. Which is not the benefit of power steering?

- A) Quick response
- B) Positive breaking system
- C) Effort less steering
- D) Absolute control during driving

Answer: B) Positive breaking system

276. Why the brushes are provided with a curvature at the bottom in the starting system?

- A) Provide more contact with commutator
- B) Ensure proper heat dessipation
- C) Provide ventilation to commutator
- D) Prevent wear on commutator

Answer: A) Provide more contact with commutator

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

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

Answer: B) Hall effect sensor

278. What will effect in case of over inflated tyres?

- A) Tyre will wearout at centre
- B) Tyre will wear out at edges
- C) Tyre will crack at edges
- D) Tyre will crack at centre

Answer: A) Tyre will wearout at centre

279. Which advantage does not suit to wheel alignment?

- A) Achieve easy torque transmission
- B) Achieve self centering after turning
- C) Minimise tyre wear
- D) Reduce driver effort

Answer: A) Achieve easy torque transmission

280. What is the function of Rim in the wheel construction?

- A) Distribute the load equally
- B) Provides balancing of vehicle
- C) Holds the tyre in correct position
- D) Support the axle

Answer: C) Holds the tyre in correct position

281. What is the temperature limit set to ON/OFF for the radiator control system?

- A) ON and OFF at above 90 Degree Centigrade and 81 Degree Centigrade
- B) ON and OFF at below 98 Degree Centigrade and 93 Degree Centigrade
- C) ON and OFF at above 98 Degree Centigrade and 93 Degree Centigrade
- D) ON and OFF at below 93 Degree Centigrade and 84 Degree Centigrade

Answer: B) ON and OFF at below 98 Degree Centigrade and 93 Degree Centigrade

282. How the EBD (Electronic Brake Force Distribution) failure indicated to the driver?

- A) Peep sound in the cabin
- B) Flickering the tail lamp
- C) Glowing the parking lamp
- D) Indication lamp the dash board

Answer: C) Glowing the parking lamp

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

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

Answer: A) Relay point stuck up

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

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

Answer: A) Contact breaker

285. Which device used to prevent damage to the battery and other electrical accessories?

- A) Alternator
- B) Voltage regulator
- C) Current regulator
- D) Distributor assembly

Answer: B) Voltage regulator

286. Which part of electronic power steering revert back to manual steering in case of failure in power steering?

- A) Fail safe relay
- B) Current controller
- C) Phase compensator
- D) Solenoid valve

Answer: A) Fail safe relay

287. Which act regulate the payment of wages to certain class of persons?

- A) Payment of wages act 1936
- B) Minimum wages act 1948
- C) Trade union act 1926
- D) Equal remuneration act 1976

Answer: A) Payment of wages act 1936

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

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

Answer: B) Inflator module

289. Which system making the drive cabin comfortable for driving?

- A) Steering system
- B) Starting system
- C) HVAC system
- D) Charging system

Answer: C) HVAC system

290. Which type of spring suspension responds quickly to road shocks? |

- A) Compression spring
- B) Coil spring
- C) Helical spring
- D) Transverse spring

Answer: B) Coil spring

291. What is the cause of 'Wheel wobbling'?

- A) Wrong hose size
- B) Improper tyre pressure
- C) Drop in pressure
- D) King pin wornout

Answer: D) King pin wornout

292. What is the cause of hard gear shifting?

- A) Synchronizing unit stuck
- B) Bearing worn out
- C) Fly wheel ring wornout
- D) Synchronizing unit damaged

Answer: D) Synchronizing unit damaged

293. Why horn produces low improper sound?

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

Answer: D) Cracked diaphragm

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

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

Answer: C) Sense engine coolant temperature

295. What is the precautionary measures to be adapted while removing secondary piston to prevent damage

- A) Remove the return spring before
- B) Remove the retaining spring before
- C) Remove the stopper bolt before
- D) Remove the circlip before

Answer: C) Remove the stopper bolt before

296. Which type of suspension spring made of fibre glass, laminated and bonded together by tough polyster resins?

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

Answer: A) Fiber composite springs

297. Which device acts as an evaporator temperature sensing switch?

- A) Heater switch
- B) Defroster switch
- C) Thermostatic switch
- D) Blower switch

Answer: C) Thermostatic switch

298. What is the effect of weak suspension?

- A) Unequal weight distribution of weight
- B) Directional unstability of vehicle
- C) Carrying excessive payload of vehicle
- D) Vibration damping is more effective

Answer: B) Directional unstability of vehicle

299. Which type of seal allows a controlled amount of fluid leakage to lubricant moving parts?

- A) Positive seal
- B) Dynamic seal
- C) Non - positive seal
- D) Static seal

Answer: C) Non - positive seal

300. What is the advantage of using constant mesh gear box?

- A) Efficient lubrication possible
- B) Quick change of gear obtained
- C) Wrong adjustment of gear will not affect the function
- D) Smooth power transmission

Answer: D) Smooth power transmission

301. What is the reason of steering wheel play excess?

- A) Wornout sealing rings
- B) Drop in pressure
- C) Low oil level
- D) Improper pre load defective steering

Answer: D) Improper pre load defective steering

302. Which instrument is used to check the face out of the fly wheel?

- A) Inside micrometer
- B) Bore dial gauge
- C) Outside micrometer
- D) Dial indicator

Answer: D) Dial indicator

303. Which type of manual give details about sequence of operation of the vehicle?

- A) Repair manual
- B) Owners manual
- C) Labour guide
- D) Shop manual

Answer: A) Repair manual

304. What is the function of traction control system?

- A) Release the pressure to expansion tank
- B) Prevent wheel spinning
- C) Reduce steering effort
- D) Reduce the engine torque

Answer: B) Prevent wheel spinning

305. Which type of system is to isolate the vehicle body from road shock and vibration?

- A) Steering system
- B) Suspension system

- C) Control system D) Hydraulic system

Answer: B) Suspension system

306. What is the role of ABS brakes?

- A) Provide positive braking B) Reduce the brake failures
C) Prevents skidding of vehicles D) Increase frictional power

Answer: C) Prevents skidding of vehicles

307. What is the advantage of coil spring?

- A) Provide greater pay load B) Good load carrying capacity
C) Low space requirement D) High steering and stability

Answer: C) Low space requirement

308. What does the no: 14PR denotes in the tyre specification 9? x 14 - 14PR?

- A) Tyre thickness B) Bead circle dia
C) Ply rating D) Shoulder width

Answer: C) Ply rating

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

- A) Un equal load distribution B) Defective suspension system
C) Under inflated tyre D) Over inflated tyre

Answer: C) Under inflated tyre

310. Which type of shock absorber is easy for replacement and handling?

- A) Piston type B) Vane type
C) Mechanical type D) Telescopic type

Answer: D) Telescopic type

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

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

Answer: C) ECM problem

312. What is the advantage of using independent suspension system?

- A) This is simple arrangement B) Shocks are transmitted from one wheel to other
C) Spring weight is less D) Maintance cost is less

Answer: C) Spring weight is less

313. What is the disadvantage of excessive positive camber in the wheel asignment?

- A) Tyre thread wear out B) Tyre centre will wearout
C) Tyre outer edge will wearout fast D) Tyre bleeding wire wear out

Answer: C) Tyre outer edge will wearout fast

314. What causes 'Air suction' in pump of hydraulic power steering system?

- A) Steering wheel play B) High fluid level
C) Low pressure D) Noise

Answer: D) Noise

315. Which type of wheel consist two separate discs are clamped together?

- A) Split wheel B) Disc wheel
C) Heavy vehicle D) Wire wheel

Answer: A) Split wheel

316. What is the use of tail light?

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

Answer: C) Indication to vehicle behind

317. What is the necessity of wiper unit?

- A) To reduce effort on the steering B) To see road and traffic clearly
C) To provide balancing of vehicle D) To provide easy steering

Answer: B) To see road and traffic clearly

318. What is the average power steering gear ratio followed in general?

- A) 20% less than manual steering B) 10% more than manual steering
C) 40% less than manual steering D) Equal to manual steering

Answer: A) 20% less than manual steering

319. What does the no: 14PR denotes in the tyre specification 9? x 14 - 14PR?

- A) Bead circle dia B) Ply rating
C) Tyre thickness D) Shoulder width

Answer: B) Ply rating

320. Which rating indicate the braking capabilities of the tire to the consumer?

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

Answer: C) Traction rating

321. Why tyre wear found abnormal in the vehicle?

- A) Improper linkage adjustment B) Improper tyre pressure
C) Loose wheel nut D) Improper tol-in and tol - out

Answer: D) Improper tol-in and tol - out

322. What is the permitted diffraction angle of tripod joint?

- A) 32 Degree
- B) 13 Degree
- C) 26 Degree
- D) 18 Degree

Answer: C) 26 Degree

323. Which part of electronic power steering revert back to manual steering in case of failure in power steering?

- A) Solenoid valve
- B) Fail safe relay
- C) Phase compensator
- D) Current controller

Answer: B) Fail safe relay

324. What will effect in case of over inflated tyres?

- A) Tyre will crack at edges
- B) Tyre will wear out at edges
- C) Tyre will wearout at centre
- D) Tyre will crack at centre

Answer: C) Tyre will wearout at centre

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

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

Answer: D) More than 200 ohms

326. What is the function of distributor in the battery ignition system?

- A) Opens and closes the secondary circuit of coil
- B) Distribute low tension current to ignition coil
- C) Distribute high tension current from ignition coil to secondary winding
- D) Distribute high tension current flow ignition coil to spark plugs

Answer: D) Distribute high tension current flow ignition coil to spark plugs

327. Which type of gear teeth are straight and parallel to the gear axis

- A) Helical gear
- B) Bevel gear
- C) Worm gear
- D) Spur gear

Answer: D) Spur gear

328. What is the function of ignition coil?

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

Answer: C) Step up low voltage to high voltage

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

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

Answer: A) Auxiliary air valve

330. Which manual provide information regarding employment in india laws framed by state and central governments?

- A) Owners manual
- B) Repair manual
- C) Shop manual
- D) Labour guide

Answer: D) Labour guide

331. What is the name of distance between most protruding portions on both sides of tyre?

- A) Tyre width
- B) Tyre outer diameter
- C) Thread radius
- D) Tyre height

Answer: A) Tyre width

332. Which type of ECU control actuators of engine?

- A) VCM
- B) ECM
- C) EBCM
- D) TCM

Answer: B) ECM

333. What is the purpose of dome light circuit?

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

Answer: C) Interior illumination

334. Which is noise free clutch?

- A) Multi plate clutch
- B) Single plate clutch
- C) Diaphragm spring type clutch
- D) Dog clutch

Answer: C) Diaphragm spring type clutch

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

- A) Provide effective illumination
- B) Indicate the vehicle behind
- C) Provide enough visibility
- D) Prevent accident while turning left and right

Answer: D) Prevent accident while turning left and right

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

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

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

337. What does the 3rd digit code no 9. indicate system trouble in scan tool letter codes?

- A) Computer system
- B) Emission system
- C) Input/out signal and controls
- D) Ignition system

Answer: C) Input/out signal and controls

338. When the driver is warned of difference in tyre pressure?

- A) Difference in pressure more than 20%
- B) Difference in pressure exceeds 40%
- C) Difference in pressure exceeds 30%
- D) Difference in pressure more than 10%

Answer: C) Difference in pressure exceeds 30%

339. Which type of spring suspension responds quickly to road shocks? |

- A) Transverse spring
- B) Helical spring
- C) Compression spring
- D) Coil spring

Answer: D) Coil spring

340. What is the possible reason for gear slip?

- A) Excessive end float of gear
- B) Wrong clutch engagement
- C) Wrong selection gear shift lever
- D) Wornout clutch plate

Answer: A) Excessive end float of gear

341. Why rubber buffer is provided in the main spring of suspension system?

- A) Provide steering control stability
- B) Transfer the load equally
- C) Transfer pay load smoothly
- D) Protect chassis frame from heavy jerk

Answer: D) Protect chassis frame from heavy jerk

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

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

Answer: B) Combine high mechanical efficiency with smooth operation

343. Which sensor measures the actual body temperature of passengers?

- A) Infrared sensor
- B) Smog sensor
- C) Sun load sensor
- D) Interior temperature sensor

Answer: A) Infrared sensor

344. What is the purpose of 'G' sensor

- A) Measuring deceleration rate of vehicle
- B) Detect wheel lock up condition
- C) Reduce pressure at wheel cylinder
- D) Locking pressure inside wheel cylinder

Answer: A) Measuring deceleration rate of vehicle

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

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

Answer: C) ECU

346. Which type of independent suspension system simple in construction and allow more deflection of the front wheel without effect on the steering?

- A) Conventional suspension
- B) Torsion bar suspension
- C) Coil spring suspension
- D) Strut type suspension

Answer: D) Strut type suspension

347. What causes noisy gear box in neutral position?

- A) Bearing worn out or dry
- B) Synchronizer defective
- C) Synchronizer worn-out
- D) Synchronizing unit stuck

Answer: A) Bearing worn out or dry

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

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

Answer: D) Global Positioning Satellites

349. Which type of flow mode is selected if outside is dusty and contaminated in car AC system?

- A) Fresh mode
- B) Recirculation mode
- C) Defroster mode
- D) Heating mode

Answer: B) Recirculation mode

350. Which type of winding is connected to the starter switch in the solenoid switch?

- A) Compound winding
- B) Hold in winding
- C) Primary winding
- D) Pull in winding

Answer: D) Pull in winding

351. What is the material used to make diodes?

- A) Graphite
- B) Silicon
- C) Alumina foil
- D) Mica

Answer: B) Silicon

352. What is the advantage of using independent suspension system?

- A) This is simple arrangement
- B) Spring weight is less
- C) Shocks are transmitted from one wheel to other
- D) Maintance cost is less

Answer: B) Spring weight is less

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

- A) Eliminate head for spare tyre and jack
- B) Resist vibration

C) Provide equal distribution of load
D) Less cost and maintenance

Answer: A) Eliminate head for spare tyre and jack

354. Which sensor used for safer parking of vehicle?

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

Answer: C) Proximity sensor

355. What is the battery system used for heavy vehicles?

A) 6 volts
B) 12 volts
C) Provide caution to the driver
D) 24 volts

Answer: D) 24 volts

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

A) Resist vibration
B) Provide equal distribution of load
C) Eliminate head for spare tyre and jack
D) Less cost and maintenance

Answer: C) Eliminate head for spare tyre and jack

357. What is the working principle of clutch?

A) Centripetal
B) Sliding
C) Friction
D) Screw and Nut

Answer: C) Friction

358. How the tyre height is calculated?

A) Rim dia - tyre outer dia
B) Tyre width + Bead circle dia
C) Tyre outer dia - Rim dia
D) Thread width + Tyre width

Answer: C) Tyre outer dia - Rim dia

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

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

Answer: A) Multiple - leaf spring

360. What is the advantage of coil spring?

A) Provide greater pay load
B) Low space requirement
C) High steering and stability
D) Good load carrying capacity

Answer: B) Low space requirement

361. What is the function of magnetic clutch in air conditioning system?

A) Cool the hot refrigerant
B) Control the refrigerant flow to evaporator
C) Connect and disconnect drive to compressor
D) Absorbs moisture in the system

Answer: C) Connect and disconnect drive to compressor

362. What is the advantage of EFI engine management system?

A) Better starting and acceleration
B) Effective fuel distribution achieved
C) Increased thermal efficiency
D) Increased mechanical efficiency

Answer: A) Better starting and acceleration

363. What is the possible cause of engine runs erratically?

A) Poor oil circulation
B) High compression
C) Air lock in fuel system
D) Weak compression

Answer: C) Air lock in fuel system

364. Which part of dual mass fly wheel isolate the fly wheel mass system of the engine?

A) Cam shaft
B) Crank shaft
C) Vibration damper
D) Gear box

Answer: C) Vibration damper

365. What is the purpose of air suspension?

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

Answer: B) Used for leveling purpose

366. Which advantage does not suit to wheel alignment?

A) Achieve self centering after turning
B) Reduce driver effort
C) Achieve easy torque transmission
D) Minimise tyre wear

Answer: C) Achieve easy torque transmission

367. Which device in the air suspension system observe vibration of low amplitude and high frequency?

A) Leaf spring
B) Shock absorber
C) Suspension spring
D) Air bags in the system

Answer: B) Shock absorber