

Duration: 30 Mins

Total Marks: 367

Q.ID: ITISKILL7108OL

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

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

Answer: A) Noise

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

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

Answer: C) Window glass lifting regulator defective

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

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

Answer: C) Provide additional fuel during starting

4. 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

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

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

Answer: A) Produce high starting torque

6. What is the cause of noise in steering?

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

Answer: A) Presence of air in the fluid

7. Which is noise free clutch?

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

Answer: C) Diaphragm spring type clutch

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

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

Answer: C) HVAC system

9. What is the impact of larger scrub radius?

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

Answer: C) Unequal braking on the front wheel

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

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

Answer: C) Halogen head light

11. What is the advantage of multiplex network?

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

Answer: B) Determine vehicle tracking system

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

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

Answer: B) Multiple - leaf spring

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

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

Answer: C) Wheel is caused to toe - in

14. 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

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

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

Answer: B) Constant mesh gear box

16. What is the material used to make diodes?

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

Answer: A) Silicon

17. How the tyre height is calculated?

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

Answer: B) Tyre outer dia - Rim dia

18. 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

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

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

Answer: D) Helical springs

20. Why light weight cars use low steering ratio?

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

Answer: B) To obtain large steering effect

21. What is the function of traction control system?

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

Answer: C) Prevent wheel spinning

22. Which sensor used for safer parking of vehicle?

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

Answer: B) Proximity sensor

23. Which is not the benefit of power steering?

- A) Positive breaking system
- B) Absolute control during driving

C) Quick response

D) Effort less steering

Answer: A) Positive breaking system

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

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

Answer: B) Split wheel

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

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

Answer: A) All wheel drive line

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

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

Answer: D) To protect the driver and passenger

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

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

Answer: A) Reduction of gear box and body noises

28. 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

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

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

Answer: C) Bolted to metal valve

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

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

Answer: A) Wrong flow control valve setting

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

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

Answer: D) Improve combustion swirl

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

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

Answer: B) Carbon fiber reinforced carbon composite

33. 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

34. What is the function of ignition coil?

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

Answer: C) Step up low voltage to high voltage

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

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

Answer: B) Labour guide

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

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

Answer: B) Prevent accident while turning left and right

37. What is the expansion of LED?

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

Answer: A) Light emitting diodes

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

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

Answer: C) King pin inclination

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

- A) Asbestos
B) Fibre glass

- C) Resin
D) Mica

Answer: C) Resin

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

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

Answer: D) Vibration damper

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

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

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

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

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

Answer: D) Noise

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

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

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

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

- A) Provide balanced braking
B) Prevent front wheel lockup
C) Increase braking efficiency
D) Reduces brake pedal effort

Answer: A) Provide balanced braking

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

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

Answer: A) Series type

46. Where the starter motor located?

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

Answer: B) Rear side of engine

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

- A) Reduce abnormal vibration
- C) Maintain directional stability and control

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

Answer: C) Maintain directional stability and control

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

- A) 22 Degree
- C) 18 Degree
- B) 20 Degree
- D) 26 Degree

Answer: A) 22 Degree

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

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

Answer: D) Damage to starter motor

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

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

Answer: D) Panel light circuit

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

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

Answer: D) Smog sensor

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

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

Answer: B) 11 : 1 to 24 : 1

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

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

Answer: A) Inner edge of tyre wear out faster

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

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

Answer: B) Provide strength to tyre

55. Which is not the function of suspension system?

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

Answer: C) It increase steering stability

56. What is the necessity of wiper unit?

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

Answer: B) To see road and traffic clearly

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

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

Answer: A) Synchromesh gear box

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

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

Answer: A) Recirculation mode

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

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

Answer: A) Voltage regulator

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

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

Answer: B) Fitting and removing time consuming

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

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

Answer: D) Torque sensor

62. How to rectify the hard gear shifting?

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

Answer: D) Adjust clutch pedal free play

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

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

Answer: C) Improper wheel alignment

64. 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

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

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

Answer: C) Helical gear

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

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

Answer: B) Infrared sensor

67. What is the function of rotor assembly?

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

Answer: D) Carriers driving pulley and cooling fan

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

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

Answer: C) Workers compensation act 1923

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

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

Answer: A) Rack and Pinion

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

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

Answer: B) 9 - 10 Degree

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

- A) Spur gear B) Helical gear

- C) Bevel gear D) Worm gear

Answer: A) Spur gear

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

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

Answer: D) Auxiliary air valve

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

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

Answer: D) Prevents dirt, carbon into distributor

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

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

Answer: D) 120 to 125 PSI

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

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

Answer: B) Mechanical type

76. 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

Answer: A) Triangulation

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

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

Answer: B) Wind horn

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

- A) Percentage rartio 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

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

- A) Connect and disconnect drive to compressor B) Absorbs moisture in the system

- C) Control the refrigerant flow to evaporator
D) Cool the hot refrigerant

Answer: A) Connect and disconnect drive to compressor

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

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

Answer: A) 24 volts

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

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

Answer: D) Thread radius

82. Why horn produces low improper sound?

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

Answer: A) Cracked diaphragm

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

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

Answer: D) Axial load on the clutch

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

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

Answer: D) Prevent pinion striking fly wheel

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

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

Answer: C) Two

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

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

Answer: C) Protect chassis frame from heavy jerk

87. 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

88. Which factor affecting suspension?

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

Answer: B) Wornout spring

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

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

Answer: C) Maintain directional stability and control

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

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

Answer: C) Provide more contact with commutator

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

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

Answer: B) Traction rating

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

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

Answer: B) By maintaining proper angle between tyres

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

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

Answer: A) 1,3,4,2

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

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

Answer: D) 11 : 1 to 24 : 1

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

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

Answer: D) Thermo time switch faulty

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

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

Answer: D) Piston ring worn-out

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

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

Answer: D) Static seal

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

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

Answer: B) Electrically operated wipers

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

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

Answer: B) 2.7 to 3.4 Amps

100. What is the purpose of engine immobilizer?

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

Answer: C) Prevent from starting the engine

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

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

Answer: D) Inner edge of tyre wear out faster

102. Which type of joint permit small deflection angle and linear variations?

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

Answer: D) Flexible discs

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

- A) Presence of air in the break fluid
- B) Front axle bend/twist

- C) Malfunctioning of torsion bar
- D) Incorrect toe - in and toe - out

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

104. What is the cause for high oil consumption?

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

Answer: A) Weak compression

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

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

Answer: C) 6 -10 mm

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

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

Answer: B) King pin wornout

107. What is the possible reason for gear slip?

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

Answer: C) Excessive end float of gear

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

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

Answer: D) 01:02

109. Which advantage does not suit to wheel alignment?

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

Answer: A) Achieve easy torque transmission

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

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

Answer: B) LED light

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

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

Answer: B) Under inflated tyre

112. What will be the effect of the long heat path travel in

the spark plug?

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

Answer: B) Spark plug will run hot

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

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

Answer: B) Improper pre load defective steering

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

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

Answer: D) Protect armature from damage

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

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

Answer: A) Produce good sealing

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

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

Answer: A) Spur gear

117. Which system provided between axles and chassis frame?

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

Answer: A) Suspension system

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

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

Answer: C) 2.03 mm

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

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

Answer: B) Type of error

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

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

Answer: C) Multi and Double cone

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

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

Answer: B) Holds the tyre in correct position

122. 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

123. What is the effect of defective injector?

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

Answer: A) Engine does not start

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

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

Answer: B) Ball joint

125. What is reason for low oil pressure?

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

Answer: B) Defective pressure release valve

126. 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

127. What is the use of compact spare tyres?

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

Answer: B) Used for breakdown

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

- A) Tyre outer edge will wearout fast
- B) Tyre bleeding wire wear out

C) Tyre centre will wear out D) Tyre thread wear out

Answer: A) Tyre outer edge will wear out fast

129. Which light provide effective illumination during snowfall?

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

Answer: D) Fog light

130. What is the use of compact spare tyres?

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

Answer: D) Used for breakdown

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

- A) Worn pinion tip B) Worn brushes
C) Burnt commutator D) Battery discharged

Answer: D) Battery discharged

132. Why tyre wear found abnormal in the vehicle?

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

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

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

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

Answer: C) Provide accurate rounds of rim

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

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

Answer: D) Vehicle pulling to one side

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

- A) Suspension system B) Steering system
C) Hydraulic system D) Control system

Answer: A) Suspension system

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

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

Answer: B) Glowing the parking lamp

137. Which factor affecting suspension?

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

Answer: A) Wornout spring

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

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

Answer: D) Fail safe relay

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

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

Answer: B) Behind the grill

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

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

Answer: A) Ball joint

141. 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) Gas pressurised shock absorber D) Mechanical shock absorber

Answer: A) Automatic load adjustable shock absorber

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

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

Answer: A) Voltage regulator setting too high

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

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

Answer: B) Faulty regulator

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

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

Answer: B) Under inflated tyre

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

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

Answer: D) 120 to 125 PSI

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

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

Answer: C) Difference in pressure exceeds 30%

147. What is the working principle of alternator?

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

Answer: B) Electromagnetic induction

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

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

Answer: D) 01:02

149. What is the purpose of dome light circuit?

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

Answer: A) Interior illumination

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

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

Answer: A) Electronic power steering

151. What is the function of diodes?

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

Answer: C) Convert AC to DC

152. Why light weight cars use low steering ratio?

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

Answer: A) To obtain large steering effect

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

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

Answer: C) Protect chassis frame from heavy jerk

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

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

Answer: C) 20% less than manual steering

155. What is the function of steering system?

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

Answer: C) To guide the vehicle

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

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

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

157. Which advantage does not suit to wheel alignment?

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

Answer: B) Achieve easy torque transmission

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

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

Answer: C) Provide accurate rounds of rim

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

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

Answer: D) Fuel tank cap vent hole blocked

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

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

Answer: B) Vehicle pull to one side wheel

161. What causes no charge when engine is running?

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

Answer: C) Drive belt loose

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

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

Answer: A) Computer system

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

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

Answer: A) Payment of wages act 1936

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

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

Answer: A) Herring bone gears

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

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

Answer: D) Shock absorber

166. Which part of air conditioning system absorbs moisture in the system?

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

Answer: C) Receiver

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

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

Answer: A) Highlight the blind spot during bend

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

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

Answer: B) Thread radius

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

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

Answer: A) Rotate the alternator rotor

170. What is the motive of vehicle information report?

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

Answer: D) Provide information about vehicle registration history

171. What is the use of tail light?

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

Answer: B) Indication to vehicle behind

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

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

Answer: A) King pin wornout

173. What is the disadvantage of independent suspension system?

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

Answer: A) More maintenance cost

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

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

Answer: C) Synchromesh gear box

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

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

Answer: A) Pedal effort transmitted through spring

176. What is the purpose of beads and plies provided in the tyre?

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

Answer: C) Provide strength to tyre

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

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

Answer: C) Improper wheel alignment

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

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

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

179. What is the impact of larger scrub radius?

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

Answer: A) Unequal braking on the front wheel

180. What is the function of condenser?

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

Answer: A) Cool the hot refrigerant

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

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

Answer: C) Torque sensor

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

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

Answer: B) Vehicle pull to one side wheel

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

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

Answer: D) Non - positive seal

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

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

Answer: B) Tyre will wearout at centre

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

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

Answer: C) By ignition switch

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

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

Answer: C) Band axle beam

187. What is the purpose of tachometer?

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

Answer: B) Indicate engine RPM

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

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

Answer: C) Head light circuit

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

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

Answer: B) Starter motor running but not cranking

190. What is the purpose of air suspension?

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

Answer: B) Used for leveling purpose

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

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

Answer: B) Rear side

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

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

Answer: B) Green

193. What is the cause of noise in steering?

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

Answer: C) Presence of air in the fluid

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

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

Answer: A) Fitting and removing time consuming

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

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

Answer: B) Vibration damping is less effective

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

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

Answer: A) More than 200 ohms

197. What is the function of clutch?

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

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

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

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

Answer: A) Engine hard to start - Hot

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

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

Answer: C) Red

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

- A) Spring weight is less B) Shocks are transmitted from one wheel to other

- C) Maintenance cost is less D) This is simple arrangement

Answer: A) Spring weight is less

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

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

Answer: B) Better starting and acceleration

202. 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

203. What is the function of solenoid switch?

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

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

204. 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 distribute the load evenly
C) To take the uneven load D) To provide cushioning effect

Answer: A) To observe braking and driving torque

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

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

Answer: B) Over running clutch slipping

206. What is the effect of weak suspension?

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

Answer: A) Directional instability of vehicle

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

- A) Distribute low tension current to ignition coil
B) Opens and closes the secondary circuit of 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

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

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

Answer: B) ECM problem

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

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

Answer: B) Difference in pressure exceeds 30%

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

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

Answer: B) Evaporator

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

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

Answer: A) Pull in winding

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

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

Answer: C) BCM

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

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

Answer: D) By soldering

214. Which type of ECU control actuators of engine?

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

Answer: C) ECM

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

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

Answer: B) ECU

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

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

Answer: C) Defective starter motor

217. What is the disadvantage of independent suspension system?

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

Answer: A) More maintenance cost

218. What is the colour of front indicator lamps?

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

Answer: C) Orange

219. What is the cause of hard gear shifting?

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

Answer: A) Synchronizing unit damaged

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

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

Answer: C) Faradays law

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

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

Answer: D) Rotary control valve

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

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

Answer: B) Clogged nozzle

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

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

Answer: B) Fiber composite springs

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

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

Answer: D) Prevent damage to starter motor

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

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

Answer: A) Universal joint

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

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

Answer: C) Tyre will wearout at centre

227. Which system provided between axles and chassis frame?

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

Answer: D) Suspension system

228. 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

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

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

Answer: D) Telescopic type

230. What will be the result of defective clutch?

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

Answer: D) Noise in gear shifting

231. 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

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

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

Answer: C) Storage system

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

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

Answer: A) Unloading valve

234. 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 the rim centre
- D) Bolted to metal valve

Answer: D) Bolted to metal valve

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

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

Answer: C) Unloading valve

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

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

Answer: B) Chassis and frames

237. What is the function of vehicle control module?

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

Answer: D) Control engine and vehicle performance

238. What is the effect of defective oil pump?

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

Answer: D) Engine seized

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

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

Answer: C) Electronic power steering

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

- A) Affect steering stability
- B) Combine high mechanical efficiency with smooth operation

- C) Prevent control in event of hydraulic failure
D) Provide hard steering

Answer: B) Combine high mechanical efficiency with smooth operation

241. What is the advantage of electronic power steering?

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

Answer: A) Energy being consumed only while steering

242. 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) Strut type suspension
D) Coil spring suspension

Answer: C) Strut type suspension

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

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

Answer: C) Traction rating

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

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

Answer: C) Combine high mechanical efficiency with smooth operation

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

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

Answer: D) For fitting insulated windings

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

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

Answer: C) 100 RPM

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

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

Answer: C) Alternator noisy

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

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

Answer: D) Idle air control valve

249. Which sensor is used to sense vibration?

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

Answer: B) Engine knocking sensor

250. 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 provide cushioning effect
C) To observe braking and driving torque
D) To take the uneven load

Answer: C) To observe braking and driving torque

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

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

Answer: C) Fuse blown off

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

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

Answer: C) Inflator module

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

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

Answer: C) 26.5 Degree Centigrade

254. What is the effect of discharged battery?

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

Answer: B) Engine does not crank

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

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

Answer: A) Tachometer

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

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

- C) Indian combat advanced technology D) Intelligent computer advanced technology

Answer: B) Intelligent computerized anti theft system

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

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

Answer: C) Brake valve

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

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

Answer: C) Between frame and vehicle axle

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

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

Answer: A) Coil spring

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

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

Answer: D) Prevents arcs at the points

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

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

Answer: A) Smooth power transmission

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

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

Answer: D) Easy gear shifting when vehicle in motion

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

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

Answer: C) Tyre outer edge will wearout fast

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

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

Answer: C) Minimize the force to operate the clutch

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

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

Answer: D) Tyre width

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

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

Answer: C) Between frame and vehicle axle

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

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

Answer: C) Hall effect sensor

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

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

Answer: B) Parking sensor

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

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

Answer: B) Relay point stuck up

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

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

Answer: A) Increase the tyre life

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

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

Answer: D) 4.8 V to 6 V

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

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

Answer: B) 20% less than manual steering

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

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

Answer: A) Vibration damping is less effective

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

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

Answer: B) 8 kg per min

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

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

Answer: C) PCM

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

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

Answer: D) Multiple - leaf spring

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

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

Answer: D) Band axle beam

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

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

Answer: A) Dial indicator

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

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

Answer: C) Owners manual

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

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

Answer: D) Coil spring

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

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

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

282. 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) Automatic load adjustable shock absorber
- D) Hydraulic shock absorber

Answer: C) Automatic load adjustable shock absorber

283. 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 bypass port
- D) On the cylinder head

Answer: B) On the pistons head

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

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

Answer: C) Monitor air temperature outside vehicle

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

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

Answer: B) 7 to 12 mm

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

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

Answer: B) Compressed air operated wiper

287. Which is not the benefit of power steering?

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

Answer: B) Positive breaking system

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

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

Answer: B) Expansion valve

289. What is the necessity of square cut seals?

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

Answer: D) Prevent the seal rolling in groove

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

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

Answer: D) Holds the tyre in correct position

291. What is the purpose of 'G' sensor

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

Answer: A) Measuring deceleration rate of vehicle

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

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

Answer: B) Mass air flow sensor

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

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

Answer: C) Fuel injection control system

294. Why tyre wear found abnormal in the vehicle?

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

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

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

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

Answer: C) Clogged air cleaner

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

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

Answer: A) Retain the bulb in the socket

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

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

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

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

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

Answer: D) Cone clutch

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

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

Answer: C) 6 mm to 12 mm

300. What is the purpose of air suspension?

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

Answer: A) Used for leveling purpose

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

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

Answer: D) Remove the stopper bolt before

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

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

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

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

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

Answer: B) Fiber composite springs

304. What is the role of ABS brakes?

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

Answer: C) Prevents skidding of vehicles

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

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

Answer: C) Hold the occupant tightly in the seat

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

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

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

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

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

Answer: D) Ply rating

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

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

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

309. Which system deals with alternator?

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

Answer: B) Charging system

310. 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) Maintenance cost is less

Answer: C) Spring weight is less

311. Which is the cause for high oil consumption?

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

Answer: C) Worn-out valve guides

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

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

Answer: C) Argon gas

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

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

Answer: A) Under side of instrument panel

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

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

Answer: D) 9 - 10 Degree

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

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

Answer: A) Stop light

316. 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

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

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

Answer: B) Plug runs too hot

318. What is the working principle of clutch?

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

Answer: C) Friction

319. What is the effect of weak suspension?

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

Answer: B) Directional instability of vehicle

320. Which system not connected with electrical system?

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

Answer: B) Transmission system

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

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

Answer: A) Support the pre lubricated sealed bearing

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

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

Answer: D) Thermostatic switch

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

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

Answer: B) Prevent accident

324. 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

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

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

Answer: A) Helical springs

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

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

Answer: A) Strut type suspension

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

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

Answer: A) Synchronizing unit stuck

328. Which is not the function of suspension system?

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

Answer: A) It increase steering stability

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

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

Answer: B) Wrong injection timing

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

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

Answer: B) Oxygen sensor

331. 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

332. Which principle is applicable for hydraulic brakes?

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

Answer: C) Pascal's law

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

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

Answer: A) Input/out signal and controls

334. What is the advantage of coil spring?

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

Answer: A) Low space requirement

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

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

Answer: C) Contact breaker

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

- A) Better riding comfort
- B) Good braking efficiency in both rear wheels

- C) Prevention of ratting D) Increased spring life

Answer: B) Good braking efficiency in both rear wheels

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

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

Answer: B) Bendix drive spring

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

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

Answer: C) Wrong flow control valve setting

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

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

Answer: C) Eliminate head for spare tyre and jack

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

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

Answer: A) Crank and cam, shaft position sensor

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

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

Answer: C) Improper pre load defective steering

342. Which part connects propeller shaft?

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

Answer: D) Gear box and final drive

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

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

Answer: D) 26 Degree

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

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

Answer: D) Less maintenance and repair

345. What is the purpose of alternator?

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

Answer: A) Produce more electricity at low RPM

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

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

Answer: A) Fail safe relay

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

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

Answer: A) Special type castiron

348. What is the advantage of electronic power steering?

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

Answer: A) Energy being consumed only while steering

349. 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

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

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

Answer: A) 50 Degree

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

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

Answer: D) Fine polished steel wool

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

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

Answer: D) Tyre width

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

- A) Shoulder width B) Bead circle dia

- C) Tyre thickness D) Ply rating

Answer: D) Ply rating

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

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

Answer: C) Repair manual

355. How the tyre is specified?

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

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

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

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

Answer: A) Used for parking on the road

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

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

Answer: C) Rotary control valve

358. 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

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

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

Answer: A) Increase the tyre life

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

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

Answer: A) Idle speed control system

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

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

Answer: D) Improper camber

362. Which type of synchromesh gear box used for heavy commercial vehicles?

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

Answer: D) Multi and double cone type

363. 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

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

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

Answer: C) Sense engine coolant temperature

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

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

Answer: B) Coolant level

366. What is the function of EBD (Electronic Brake - Force Distribution) in anti lock brake system?

- A) It controls the slip of the rear wheel B) It increase brake pressure to the rear wheel
C) It improve directional stability of vehicle D) It control the slip of the front wheel

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

367. How the tyre is specified?

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

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