

ITI Quiz - 28-Apr-2026

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Q. ID: ITISKILL1332ZG

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Answer Key

Duration: 30 Mins

Total Marks: 98

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1. What is the material used to make diodes?

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

Answer: B) Silicon

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

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

Answer: C) Compressed air operated wiper

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

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

Answer: B) For fitting insulated windings

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

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

Answer: B) Receiver

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

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

Answer: C) Protect armature from damage

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

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

Answer: D) Smog sensor

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

- A) Peep sound on during starting
- B) Air bag warning light come on during starting and stopping
- C) Warning light on with engine running through
- 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

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

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

Answer: A) Workers compensation act 1923

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

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

Answer: A) Battery discharged

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

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

Answer: B) Support the pre lubricated sealed bearing

11. 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 damage to starter motor
- C) Reduce the wear on commutator
- D) Prevent wastage of current

Answer: B) Prevent damage to starter motor

12. Where the starter motor located?

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

Answer: C) Rear side of engine

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

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

Answer: C) Labour guide

14. What is the function of vehicle control module?

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

Answer: C) Control engine and vehicle performance

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

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

Answer: A) Window glass lifting regulator defective

16. 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

17. What is the purpose of alternator?

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

Answer: B) Produce more electricity at low RPM

18. 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

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

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

Answer: B) Intelligent computerized anti theft system

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

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

Answer: C) Fuse blown off

21. What causes no charge when engine is running?

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

Answer: D) Drive belt loose

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

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

Answer: A) Stop light

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

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

Answer: B) BCM

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

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

Answer: D) Rotate the alternator rotor

25. 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) Anti drift spring
D) Pinion

Answer: B) Bendix drive spring

26. What is the necessity of wiper unit?

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

Answer: B) To see road and traffic clearly

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

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

Answer: D) Highlight the blind spot during bend

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

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

Answer: B) 4.8 V to 6 V

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

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

Answer: D) Evaporator

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

- A) By charge indicator
B) By ignition switch

- C) By indicator lamp D) By voltage regulator

Answer: B) By ignition switch

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

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

Answer: A) Input/out signal and controls

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

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

Answer: A) Produce high starting torque

33. 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

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

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

Answer: A) Alternator noisy

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

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

Answer: B) Starter motor running but not cranking

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

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

Answer: C) Damage to starter motor

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

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

Answer: D) Voltage regulator

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

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

Answer: C) Argon gas

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

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

Answer: B) 8 kg per min

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

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

Answer: A) Prevent accident

41. What is the purpose of engine immobilizer?

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

Answer: D) Prevent from starting the engine

42. What is the advantage of multiplex network?

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

Answer: B) Determine vehicle tracking system

43. What is the expansion of LED?

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

Answer: C) Light emitting diodes

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

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

Answer: A) Wind horn

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

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

Answer: D) PCM

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

- A) Labour guide B) Shop manual

- C) Repair manual D) Owners manual

Answer: C) Repair manual

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

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

Answer: C) Provide more contact with commutator

48. Which type of ECU control actuators of engine?

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

Answer: C) ECM

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

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

Answer: C) Red

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

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

Answer: B) High speed operation possible

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

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

Answer: A) Faulty regulator

52. What is the colour of front indicator lamps?

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

Answer: D) Orange

53. 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

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

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

Answer: D) Thermostatic switch

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

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

Answer: D) Computer system

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

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

Answer: C) Triangulation

57. Which light provide effective illumination during snowfall?

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

Answer: D) Fog light

58. What is the function of condenser?

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

Answer: A) Cool the hot refrigerant

59. What is the use of tail light?

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

Answer: D) Indication to vehicle behind

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

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

Answer: D) Payment of wages act 1936

61. What is the working principle of alternator?

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

Answer: C) Electromagnetic induction

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

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

Answer: B) Monitor air temperature outside vehicle

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

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

Answer: D) Electrically operated wipers

64. 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

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

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

Answer: A) By soldering

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

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

Answer: D) Voltage regulator setting too high

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

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

Answer: D) Prevent pinion striking fly wheel

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

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

Answer: C) 100 RPM

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

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

Answer: B) Used for parking on the road

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

- A) Abnormally worn brush
- B) Poor contacting action of ignition

- C) Over running clutch slipping
- D) Faulty ECM circuit

Answer: C) Over running clutch slipping

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

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

Answer: A) Green

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

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

Answer: C) To protect the driver and passenger

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

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

Answer: D) Halogen head light

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

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

Answer: A) Connect and disconnect drive to compressor

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

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

Answer: C) ECM problem

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

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

Answer: A) Prevent accident while turning left and right

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

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

Answer: A) Behind the grill

78. What is the function of diodes?

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

Answer: A) Convert AC to DC

79. Why horn produces low improper sound?

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

Answer: B) Cracked diaphragm

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

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

Answer: A) 2.7 to 3.4 Amps

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

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

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

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

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

Answer: A) Inflator module

83. 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

84. What is the purpose of dome light circuit?

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

Answer: C) Interior illumination

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

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

Answer: C) Retain the bulb in the socket

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

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

Answer: D) Panel light circuit

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

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

Answer: C) Global Positioning Satellites

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

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

Answer: B) LED light

89. Which sensor used for safer parking of vehicle?

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

Answer: B) Proximity sensor

90. What is the function of rotor assembly?

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

Answer: A) Carriers driving pulley and cooling fan

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

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

Answer: D) Pull in winding

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

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

Answer: B) Owners manual

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

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

Answer: D) Series type

94. 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

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

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

Answer: D) Recirculation mode

96. What is the function of solenoid switch?

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

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

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

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

Answer: D) Rear side

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

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

Answer: B) 26.5 Degree Centigrade
