

ITI Quiz - 28-Apr-2026

09:42 AM

Q. ID: ITISKILL1332ZG

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 98

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Student Name: _____ Roll No: _____

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

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

A) No change when engine running

B) Alternator noisy

C) Low voltage output from alternator

D) Charges at high rate

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

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

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

A) Infrared sensor

B) Interior temperature sensor

C) Smog sensor

D) Sun load sensor

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

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

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

A) Temperature sensor

B) Sunload sensor

C) Smog sensor

D) Infrared sensor

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

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

11. What is the purpose of alternator?

A) Produce constant electric supply at high RPM

B) Produce more electricity at high RPM

C) Produce more electricity at low RPM

D) Produce variable electric supply at high RPM

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

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

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

A) Provide space for cooling

B) For lubrication

C) For easy fitting

D) For fitting insulated windings

6. 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

13. What is the purpose of engine immobilizer?

A) Electric opening and closing of door

B) Used to operate horn relay

C) To compensate from sun light entering vehicle

D) Prevent from starting the engine

7. What is the working principle of alternator?

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

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

A) Global Placing Satellites

B) Global Preventing Systems

C) Global Positioning Satellites

D) General Positioning Satellites

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

22. Which sensor used for safer parking of vehicle?

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

23. What is the use of tail light?

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

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

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

25. Where the starter motor located?

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

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

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

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

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

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

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

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

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

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

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

31. 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

32. What is the colour of front indicator lamps?

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

33. What is the function of rotor assembly?

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

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

- A) Peep sound on during starting
B) Warming light on with engine running throught

C) Warning light on and flash few times and go out during starting
D) Air bag warning light come on during starting and stopping

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

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

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

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

37. What is the function of vehicle control module?

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

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

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

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

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

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

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

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

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

42. 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) Prevent pinion striking fly wheel
- D) Avoid the side way movement of armature shaft

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

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

44. What is the motive of vehicle information report?

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

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

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

46. What is the advantage of multiplex network?

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

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

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

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

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

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

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

50. What is the necessity of wiper unit?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

59. 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

60. Why horn produces low improper sound?

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

61. What is the expansion of LED?

- A) Light emitting diodes B) Limited electrical data

- C) Light electronic diodes D) Long electrical diodes

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

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

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

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

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

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

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

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

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

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

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

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

68. What is the function of diodes?

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

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

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

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

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

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

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

72. What is the function of condenser?

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

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

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

74. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

85. What causes no charge when engine is running?

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

86. 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) LCD type head light
- D) Halogon head light

87. What is the purpose of dome light circuit?

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

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

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

89. Which type of ECU control actuators of engine?

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

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

- A) Worn pinion tip
- B) Worn brushes

C) Battery discharged

D) Burnt commutator

C) Help driver to see full width of road

D) Provide enough visibility

91. What is the material used to make diodes?

A) Alumina foil

B) Mica

C) Graphite

D) Silicon

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

A) Fog light circuit

B) Head light circuit

C) Parking light circuit

D) Panel light circuit

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

A) Increase the life of armature

B) Produce constant starting torque

C) Less cost of maintenance

D) Produce high starting torque

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

A) Provide more contact with commutator

B) Ensure proper heat dissipation

C) Prevent wear on commutator

D) Provide ventilation to commutator

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

A) Repair manual

B) Shop manual

C) Owners manual

D) Labour guide

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

A) By brazing

B) By riveting

C) By welding

D) By soldering

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

A) Provide interior illumination

B) Give indication the traffic behind

98. Which light provide effective illumination during snowfall?

A) Head light

B) Parking light

C) Stop light

D) Fog light