ITI Quiz - 17-Mar-2026 10:24 AM

Q. ID: ITISKILL39713R

March 2026

Answer Key

Duration: 30 Mins **Total Marks: 33** **Q.ID: ITISKILL39713R**

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

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

Answer: C) Auxiliary air valve

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

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

Answer: C) 1,3,4,2

3. What is the purpose of tachometer?

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

Answer: B) Indicate engine RPM

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

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

Answer: B) Faradays law

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

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

Answer: B) Provide additional fuel during starting

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

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

Answer: D) Prevents dirt, carbon into distributor

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

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

Answer: D) Two

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

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

Answer: D) Better starting and acceleration

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

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

Answer: C) Fuel injection control system

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

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

Answer: B) Tachometer

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

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

Answer: D) Crank and cam, shaft position sensor

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

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

Answer: C) Idle air control valve

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

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

Answer: B) Produce good sealing

14. What is the function of ignition coil?

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

Answer: C) Step up low voltage to high voltage

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

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

Answer: D) Parking sensor

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

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

Answer: B) Oxygen sensor

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

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

Answer: B) Under side of instrument panel

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

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

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

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

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

Answer: B) More than 200 ohms

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

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

Answer: C) Plug runs too hot

21. What is the purpose of condensor in the ignition system?

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

Answer: A) Prevents arcs at the points

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

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

Answer: B) Sense engine coolant temperature

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

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

Answer: B) Contact breaker

24. 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

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

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

Answer: B) Spark plug will run hot

26. Which senor 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

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

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

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

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

Answer: B) Mass air flow sensor

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

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

Answer: A) Idle speed control system

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

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

Answer: B) Engine hard to start - Hot

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

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

Answer: C) 2.03 mm

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

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

Answer: D) Thermo time switch faulty

33. What is the achived through spark plug end gap design?

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

Answer: B) Improve combustion swirl