

ITI Quiz - 25-Apr-2026

07:07 PM

Q. ID: ITISKILL1073GE

April 2026

Answer Key

Duration: 35 Mins

Total Marks: 34

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1. Which type of filter element is fitted in dry type air cleaner?

- A) Paper
- B) Wire mesh
- C) Cloth
- D) Strainer

Answer: A) Paper

2. Where the catalytic converters are used?

- A) Fuel system
- B) Inlet system
- C) Lubrication system
- D) Exhaust system

Answer: D) Exhaust system

3. How does a turbocharger get drive?

- A) By exhaust gas
- B) By belt
- C) By inlet gas
- D) By gear

Answer: A) By exhaust gas

4. What is the permissible voltage drop in the electrical circuit?

- A) 0.3 V
- B) 0.2 V
- C) 0.4 V
- D) 0.1 V

Answer: B) 0.2 V

5. Which is related to pneumatic system?

- A) Electric
- B) Steam
- C) Pressurized water
- D) Compressed air

Answer: D) Compressed air

6. Which part connects the petrol engine inlet manifold?

- A) Fuel pump
- B) Air filter
- C) Carburetor
- D) Injector

Answer: C) Carburetor

7. Which process is taken place in catalytic convertor?

- A) Thermal
- B) Physical
- C) Biological
- D) Chemical

Answer: D) Chemical

8. Which is a temperature sensitive resistor?

- A) Transistor
- B) Thyristor
- C) Thermistor
- D) Diode

Answer: C) Thermistor

9. What is the material of inlet manifold?

- A) Stainless steel
- B) Aluminium alloy
- C) Brass
- D) Bronze

Answer: B) Aluminium alloy

10. What is the reason to decrease the volumetric efficiency in exhaust system?

- A) Low noise
- B) Low temperature
- C) Excessive back pressure
- D) High temperature

Answer: C) Excessive back pressure

11. What is the purpose of the turbo charger?

- A) Save power
- B) Pump more air into the cylinder
- C) Scavenging
- D) Filter the exhaust gas

Answer: B) Pump more air into the cylinder

12. How the lead acid Battery is classified?

- A) Primary cell
- B) Dry cell
- C) Alkaline cell
- D) Secondary cell

Answer: D) Secondary cell

13. Which material is required to make integrated circuit chips?

- A) copper
- B) silicon
- C) steel
- D) zinc

Answer: B) silicon

14. Where the exhaust system muffler is connected?

- A) Between tail pipe and exhaust manifold
- B) Between exhaust pipe and exhaust manifold
- C) Between engine head and exhaust manifold
- D) Between exhaust pipe and tail pipe

Answer: D) Between exhaust pipe and tail pipe

15. What is the material of positive plate in the lead acid Battery?

- A) Lead peroxide
- B) Antimony
- C) Spongy lead
- D) Tin

Answer: A) Lead peroxide

16. What is the colour of positive plates in the charged lead acid - battery?

- A) Black
- B) White
- C) Brown
- D) Grey

Answer: C) Brown

17. What type of resistor is used in the vehicle flasher unit?

- A) Ballast resistor
- B) Integrated resistor
- C) Printed resistor
- D) Film resistor

Answer: A) Ballast resistor

18. What is the material of negative plate in the lead acid Battery?

- A) Spongy lead
- B) Antimony
- C) Tin
- D) Lead peroxide

Answer: A) Spongy lead

19. Which type of muffler produces anti noise without restricting exhaust flow?

- A) Baffle type
- B) Reverse flow type
- C) Electronic type
- D) Straight through type

Answer: C) Electronic type

20. Where the catalytic converter is fitted?

- A) Between muffler and tail pipe
- B) Between tail pipe and resonator pipe
- C) Between engine head and exhaust manifold
- D) Between exhaust pipe and muffler

Answer: D) Between exhaust pipe and muffler

21. Which is the Ohm's Mathematical Expression?

- A) $I=(R/V)$
- B) $I=(V/R)$
- C) $R=(I/V)$
- D) $V=(I/R)$

Answer: B) $I=(V/R)$

22. Where is the turbocharger mounted?

- A) Air filter
- B) Exhaust manifold
- C) Inlet manifold
- D) Cylinder head

Answer: B) Exhaust manifold

23. Which type of muffler is fitted with sensors and microphone ?

- A) Straight through type
- B) Resonance type
- C) Electronic type
- D) Reverse flow type

Answer: C) Electronic type

24. What is the purpose of the muffler in the exhaust system?

- A) To reduce the heat
- B) To filter the exhaust gases
- C) To reduce the noise
- D) To reduce the vibration

Answer: C) To reduce the noise

25. Which are the materials commonly used in the catalytic converter?

- A) Palladium and platinum
- B) Chromium and vanadium
- C) Zinc and molybdenum
- D) Asbestos and ceramics

Answer: A) Palladium and platinum

26. Which one of the following acts as a flame arrester during engine back fire?

- A) Oil filter
- B) Air filter
- C) Fuel filter
- D) Muffler

Answer: B) Air filter

27. Which metal in the fuel is to be avoided while fitting catalytic convertor?

- A) Tin
- B) Lead
- C) Chromium
- D) Phosphorus

Answer: B) Lead

28. Which component is related to exhaust system?

- A) Carburetor
- B) Muffler
- C) Air filter
- D) Injection pump

Answer: B) Muffler

29. Which component is used to measure the engine coolant temperature?

- A) Diode
- B) Resistor
- C) Thermistor
- D) Transistor

Answer: C) Thermistor

30. How electrons move in a conductor?

- A) Resistance
- B) Current
- C) Conductance
- D) Voltage difference

Answer: D) Voltage difference

31. Which electronic component is used as a solid state switch?

- A) Resistor
- B) Capacitor
- C) Inductor
- D) Transistor

Answer: D) Transistor

32. What is the purpose of catalytic converter?

- A) Control the noise
- B) Control the emission
- C) Control the fuel consumption
- D) Control the temperature

Answer: B) Control the emission

33. How many cells are in the 12V Battery?

- A) 2 cells
- B) 9 cells
- C) 12 cells
- D) 6 cells

Answer: D) 6 cells

34. What is the material of exhaust manifold?

- A) Steel alloy
- B) Brass
- C) Cast iron
- D) Bronze

Answer: C) Cast iron

