

ITI Quiz - 25-Apr-2026

07:07 PM

Q. ID: ITISKILL1073GE

April 2026

Question Paper

Duration: 35 Mins

Total Marks: 34

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Student Name: _____ Roll No: _____

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

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

2. Where the catalytic converter is fitted?

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

3. What is the purpose of the turbo charger?

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

4. Where the catalytic converters are used?

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

5. Which component is related to exhaust system?

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

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

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

7. Which is related to pneumatic system?

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

8. Where is the turbocharger mounted?

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

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

- A) Straight through type
- B) Resonance type

C) Electronic type

D) Reverse flow type

10. How the lead acid Battery is classified?

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

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

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

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

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

13. What is the purpose of catalytic converter?

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

14. Where the exhaust system muffler is connected?

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

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

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

16. What is the material of exhaust manifold?

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

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

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

18. Which component is used to measure the engine coolant

temperature?

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

19. Which process is taken place in catalytic convertor?

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

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

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

21. What is the material of possitive plate in the lead acid Battery?

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

22. Which part connects the petrol engine inlet manifold?

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

23. How does a turbocharger get drive?

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

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

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

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

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

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

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

27. Which is a temperature sensitive resistor?

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

28. How electrons move in a conductor?

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

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

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

30. What is the material of inlet manifold?

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

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

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

32. Which is the Ohm's Mathematical Expression?

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

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

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

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

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