

# ITI Quiz - 29-Apr-2026

## 12:43 PM

Q. ID: ITISKILL330204

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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

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

**Answer: D) Excessive back pressure**

2. What is the purpose of catalytic converter?

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

**Answer: C) Control the emission**

3. Where the exhaust system muffler is connected?

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

**Answer: B) Between exhaust pipe and tail pipe**

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

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

**Answer: C) Palladium and platinum**

5. Which component is related to exhaust system?

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

**Answer: A) Muffler**

6. Where the catalytic converters are used?

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

**Answer: D) Exhaust system**

7. What is the material of exhaust manifold?

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

**Answer: A) Cast iron**

8. What is the material of inlet manifold?

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

**Answer: A) Aluminium alloy**

9. How does a turbocharger get drive?

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

**Answer: D) By exhaust gas**

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

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

**Answer: A) Air filter**

11. Which is related to pneumatic system?

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

**Answer: D) Compressed air**

12. Which metal in the fuel is to be avoided while fitting catalytic converter?

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

**Answer: D) Lead**

13. Which part connects the petrol engine inlet manifold?

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

**Answer: B) Carburetor**

14. Where the catalytic converter is fitted?

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

**Answer: C) Between exhaust pipe and muffler**

15. Where is the turbocharger mounted?

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

**Answer: A) Exhaust manifold**

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

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

**Answer: C) Electronic type**

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**17.** What is the purpose of the muffler in the exhaust system?

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

**Answer: B) To reduce the noise**

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**18.** What is the purpose of the turbo charger?

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

**Answer: C) Pump more air into the cylinder**

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

A) Wire mesh

B) Paper

C) Cloth

D) Strainer

**Answer: B) Paper**

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**20.** Which process is taken place in catalytic convertor?

A) Chemical

B) Thermal

C) Physical

D) Biological

**Answer: A) Chemical**

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

A) Resonance type

B) Straight through type

C) Reverse flow type

D) Electronic type

**Answer: D) Electronic type**

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