

# ITI Quiz - 23-Apr-2026

## 11:35 AM

Q. ID: ITISKILL542075

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. What is the purpose of catalytic converter?

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

**Answer: B) Control the emission**

2. Where the exhaust system muffler is connected?

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

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

3. Where the catalytic converters are used?

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

**Answer: C) Exhaust system**

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

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

**Answer: C) Paper**

5. What is the material of exhaust manifold?

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

**Answer: D) Cast iron**

6. How does a turbocharger get drive?

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

**Answer: A) By exhaust gas**

7. Which part connects the petrol engine inlet manifold?

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

**Answer: D) Carburetor**

8. Where is the turbocharger mounted?

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

**Answer: D) Exhaust manifold**

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

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

**Answer: A) Excessive back pressure**

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

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

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

11. 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

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

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

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

**Answer: D) Electronic type**

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

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

**Answer: B) Air filter**

14. Which is related to pneumatic system?

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

**Answer: D) Compressed air**

15. Which process is taken place in catalytic convertor?

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

**Answer: A) Chemical**

16. Which component is related to exhaust system?

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

**Answer: C) Muffler**

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17. What is the material of inlet manifold?

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

**Answer: B) Aluminium alloy**

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

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

**Answer: D) Palladium and platinum**

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19. 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**

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

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

**Answer: B) Lead**

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21. 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**

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