

ITI Quiz - 05-May-2026

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Q. ID: ITISKILL3407SA

May 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. 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

2. How does a turbocharger get drive?

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

Answer: D) By exhaust gas

3. What is the material of exhaust manifold?

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

Answer: A) Cast iron

4. Which part connects the petrol engine inlet manifold?

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

Answer: D) Carburetor

5. Where the catalytic converters are used?

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

Answer: A) Exhaust system

6. What is the material of inlet manifold?

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

Answer: A) Aluminium alloy

7. Which component is related to exhaust system?

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

Answer: A) Muffler

8. Where the catalytic converter is fitted?

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

Answer: A) Between exhaust pipe and muffler

9. Where is the turbocharger mounted?

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

Answer: C) Exhaust manifold

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

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

Answer: B) Palladium and platinum

11. 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

12. Which is related to pneumatic system?

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

Answer: B) Compressed air

13. Which process is taken place in catalytic convertor?

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

Answer: C) Chemical

14. Where the exhaust system muffler is connected?

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

Answer: D) Between exhaust pipe and tail pipe

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

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

Answer: C) Lead

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

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

Answer: D) Paper

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

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

Answer: C) Electronic type

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

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

Answer: C) Excessive back pressure

19. What is the purpose of the turbo charger?

- A) Scavenging
- B) Pump more air into the cylinder

C) Filter the exhaust gas

D) Save power

Answer: B) Pump more air into the cylinder

20. 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

21. 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