

ITI Quiz - 23-Apr-2026

12:02 PM

Q. ID: ITISKILL81421M

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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

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

Answer: C) Air filter

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

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

Answer: B) Paper

3. What is the purpose of catalytic converter?

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

Answer: A) Control the emission

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

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

Answer: D) To reduce the noise

5. Where is the turbocharger mounted?

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

Answer: B) Exhaust manifold

6. 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

7. 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

8. Where the exhaust system muffler is connected?

- A) Between exhaust pipe and exhaust manifold
- B) Between engine head 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

9. Where the catalytic converters are used?

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

Answer: A) Exhaust system

10. Which component is related to exhaust system?

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

Answer: A) Muffler

11. What is the material of exhaust manifold?

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

Answer: A) Cast iron

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

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

Answer: D) Palladium and platinum

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

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

Answer: A) Electronic type

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

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

Answer: B) Excessive back pressure

15. What is the material of inlet manifold?

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

Answer: C) Aluminium alloy

16. What is the purpose of the turbo charger?

- A) Scavenging
- B) Filter the exhaust gas

C) Save power

D) Pump more air into the cylinder

Answer: D) Pump more air into the cylinder

17. Which process is taken place in catalytic convertor?

A) Thermal

B) Biological

C) Chemical

D) Physical

Answer: C) Chemical

18. 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

19. Which is related to pneumatic system?

A) Steam

B) Compressed air

C) Pressurized water

D) Electric

Answer: B) Compressed air

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

A) Lead

B) Tin

C) Chromium

D) Phosphorus

Answer: A) Lead

21. Which part connects the petrol engine inlet manifold?

A) Fuel pump

B) Air filter

C) Injector

D) Carburetor

Answer: D) Carburetor
