

ITI Quiz - 07-Apr-2026

09:24 PM

Q. ID: ITISKILL8307TU

April 2026

Answer Key

Duration: 21 Mins

Total Marks: 21

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

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

Answer: A) Excessive back pressure

2. What is the purpose of catalytic converter?

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

Answer: B) Control the emission

3. Where the catalytic converters are used?

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

Answer: C) Exhaust system

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

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

Answer: A) Palladium and platinum

5. Which component is related to exhaust system?

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

Answer: C) Muffler

6. 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

7. 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

8. 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

9. Where the exhaust system muffler is connected?

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

Answer: A) Between exhaust pipe and tail pipe

10. 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

11. Which part connects the petrol engine inlet manifold?

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

Answer: A) Carburetor

12. 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

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

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

Answer: A) Paper

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

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

Answer: B) Electronic type

15. What is the material of exhaust manifold?

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

Answer: C) Cast iron

16. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold

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

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

Answer: B) Lead

18. How does a turbocharger get drive?

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

Answer: C) By exhaust gas

19. Which is related to pneumatic system?

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

Answer: C) Compressed air

20. What is the material of inlet manifold?

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

Answer: C) Aluminium alloy

21. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical
