

ITI Quiz - 26-Apr-2026

07:13 PM

Q. ID: ITISKILL50965X

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. Where the exhaust system muffler is connected?

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

Answer: C) Between exhaust pipe and tail pipe

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

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

Answer: C) Air filter

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

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

Answer: D) Lead

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

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

Answer: C) Electronic type

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

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

Answer: D) Palladium and platinum

6. What is the purpose of catalytic converter?

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

Answer: D) Control the emission

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

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

Answer: C) To reduce the noise

8. How does a turbocharger get drive?

- A) By gear
B) By inlet gas

C) By exhaust gas

D) By belt

Answer: C) By exhaust gas

9. What is the material of inlet manifold?

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

Answer: A) Aluminium alloy

10. Which is related to pneumatic system?

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

Answer: B) Compressed air

11. Where the catalytic converter is fitted?

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

Answer: D) Between exhaust pipe and muffler

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

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

Answer: A) Paper

13. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical

14. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold

15. Which part connects the petrol engine inlet manifold?

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

Answer: D) Carburetor

16. What is the material of exhaust manifold?

- A) Brass
B) Steel alloy

C) Bronze

D) Cast iron

Answer: D) Cast iron

17. Which component is related to exhaust system?

A) Carburetor

B) Injection pump

C) Air filter

D) Muffler

Answer: D) Muffler

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

A) Reverse flow type

B) Resonance type

C) Electronic type

D) Straight through type

Answer: C) Electronic type

19. What is the reason to decrease the volumetric efficiency

in exhaust system?

A) Excessive back pressure

B) Low temperature

C) Low noise

D) High temperature

Answer: A) Excessive back pressure

20. What is the purpose of the turbo charger?

A) Filter the exhaust gas

B) Pump more air into the cylinder

C) Scavenging

D) Save power

Answer: B) Pump more air into the cylinder

21. Where the catalytic converters are used?

A) Lubrication system

B) Fuel system

C) Inlet system

D) Exhaust system

Answer: D) Exhaust system