

ITI Quiz - 06-Apr-2026

09:16 PM

Q. ID: ITISKILL6676F3

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. Where the catalytic converter is fitted?

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

Answer: A) Between exhaust pipe and muffler

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

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

Answer: D) Excessive back pressure

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

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

Answer: B) Air filter

4. 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

5. Which component is related to exhaust system?

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

Answer: C) Muffler

6. Where is the turbocharger mounted?

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

Answer: B) Exhaust manifold

7. What is the material of inlet manifold?

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

Answer: A) Aluminium alloy

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

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

Answer: C) Electronic type

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

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

Answer: C) To reduce the noise

10. 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

11. Which metal in the fuel is to be avoided while fitting catalytic converter?

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

Answer: B) Lead

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

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

Answer: B) Electronic type

13. What is the purpose of catalytic converter?

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

Answer: C) Control the emission

14. Where the exhaust system muffler is connected?

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

Answer: D) Between exhaust pipe and tail pipe

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

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

Answer: B) Paper

16. What is the material of exhaust manifold?

A) Cast iron

B) Steel alloy

C) Bronze

D) Brass

Answer: A) Cast iron

17. Which is related to pneumatic system?

A) Electric

B) Compressed air

C) Steam

D) Pressurized water

Answer: B) Compressed air

18. Which part connects the petrol engine inlet manifold?

A) Fuel pump

B) Carburetor

C) Air filter

D) Injector

Answer: B) Carburetor

19. Where the catalytic converters are used?

A) Lubrication system

B) Inlet system

C) Fuel system

D) Exhaust system

Answer: D) Exhaust system

20. What is the purpose of the turbo charger?

A) Save power

B) Pump more air into the cylinder

C) Filter the exhaust gas

D) Scavenging

Answer: B) Pump more air into the cylinder

21. Which process is taken place in catalytic convertor?

A) Physical

B) Chemical

C) Biological

D) Thermal

Answer: B) Chemical
