

ITI Quiz - 29-Apr-2026

07:11 PM

Q. ID: ITISKILL0359JC

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. 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

2. 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

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

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

Answer: C) Excessive back pressure

4. Which is related to pneumatic system?

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

Answer: C) Compressed air

5. Where the catalytic converters are used?

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

Answer: D) Exhaust system

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

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

Answer: D) Electronic type

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

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

Answer: C) Electronic type

8. 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

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

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

Answer: B) Palladium and platinum

10. What is the material of inlet manifold?

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

Answer: B) Aluminium alloy

11. Where the catalytic converter is fitted?

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

Answer: B) Between exhaust pipe and muffler

12. Which process is taken place in catalytic convertor?

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

Answer: C) Chemical

13. Where is the turbocharger mounted?

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

Answer: D) Exhaust manifold

14. What is the purpose of catalytic converter?

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

Answer: D) Control the emission

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

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

Answer: B) Lead

16. What is the material of exhaust manifold?

- A) Bronze
B) Steel alloy

C) Brass

D) Cast iron

Answer: D) Cast iron

17. Which part connects the petrol engine inlet manifold?

A) Air filter

B) Carburetor

C) Fuel pump

D) Injector

Answer: B) Carburetor

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 type of filter element is fitted in dry type air cleaner?

A) Strainer

B) Wire mesh

C) Paper

D) Cloth

Answer: C) Paper

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

A) Muffler

B) Fuel filter

C) Oil filter

D) Air filter

Answer: D) Air filter

21. Which component is related to exhaust system?

A) Muffler

B) Injection pump

C) Carburetor

D) Air filter

Answer: A) Muffler