

ITI Quiz - 29-Apr-2026

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Q. ID: ITISKILL0734C3

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 tail pipe and exhaust manifold
D) Between exhaust pipe and exhaust manifold

Answer: A) Between exhaust pipe and tail pipe

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

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

Answer: A) Air filter

3. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

4. Where the catalytic converters are used?

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

Answer: A) Exhaust system

5. Which part connects the petrol engine inlet manifold?

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

Answer: D) Carburetor

6. Which is related to pneumatic system?

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

Answer: C) Compressed air

7. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical

8. 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

9. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold

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

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

Answer: A) To reduce the noise

11. What is the purpose of catalytic converter?

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

Answer: B) Control the emission

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

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

Answer: B) Electronic type

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

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

Answer: A) Lead

14. How does a turbocharger get drive?

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

Answer: A) By exhaust gas

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

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

Answer: A) Palladium and platinum

16. Which component is related to exhaust system?

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

Answer: B) Muffler

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

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

Answer: A) Paper

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

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

Answer: D) Excessive back pressure

19. Where the catalytic converter is fitted?

- A) Between muffler and tail pipe
- B) Between exhaust pipe and muffler

C) Between engine head and exhaust manifold
D) Between tail pipe and resonator pipe

Answer: B) Between exhaust pipe and muffler

20. What is the purpose of the turbo charger?

- A) Filter the exhaust gas
- B) Save power
- C) Pump more air into the cylinder
- D) Scavenging

Answer: C) Pump more air into the cylinder

21. What is the material of exhaust manifold?

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

Answer: A) Cast iron
