

ITI Quiz - 28-Apr-2026

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Q. ID: ITISKILL2155KM

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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

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

Answer: A) Air filter

2. Which part connects the petrol engine inlet manifold?

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

Answer: A) Carburetor

3. What is the purpose of the turbo charger?

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

Answer: A) Pump more air into the cylinder

4. Where the catalytic converters are used?

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

Answer: A) Exhaust system

5. Which process is taken place in catalytic convertor?

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

Answer: C) Chemical

6. 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

7. 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

8. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

9. Which component is related to exhaust system?

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

Answer: A) Muffler

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

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

Answer: C) Electronic type

11. Where the exhaust system muffler is connected?

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

Answer: D) Between exhaust pipe and tail pipe

12. Which is related to pneumatic system?

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

Answer: B) Compressed air

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

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

Answer: D) To reduce the noise

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

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

Answer: C) Lead

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

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

Answer: A) Electronic type

16. What is the material of exhaust manifold?

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

Answer: B) Cast iron

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

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

Answer: B) Paper

18. 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

19. Where the catalytic converter is fitted?

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

Answer: C) Between exhaust pipe and muffler

20. Where is the turbocharger mounted?

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

Answer: C) Exhaust manifold

21. 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
