

ITI Quiz - 01-Apr-2026

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Q. ID: ITISKILL658100

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 21

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Student Name: _____ Roll No: _____

1. What is the purpose of catalytic converter?

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

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

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

3. Which is related to pneumatic system?

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

4. What is the material of exhaust manifold?

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

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

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

6. 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

7. Where the catalytic converters are used?

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

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

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

9. Which process is taken place in catalytic convertor?

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

10. What is the material of inlet manifold?

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

11. 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

12. Which component is related to exhaust system?

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

13. What is the purpose of the turbo charger?

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

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

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

15. Where the catalytic converter is fitted?

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

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

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

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

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

18. Which part connects the petrol engine inlet manifold?

- A) Fuel pump
- C) Air filter

- B) Injector
- D) Carburetor

19. How does a turbocharger get drive?

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

20. What is the reason to decrease the volumetric efficiency

in exhaust system?

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

21. Where is the turbocharger mounted?

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