

INTAKE AND EXHAUST SYSTEM

Q. ID: ITISKILL42439L

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Answer Key

Duration: 60 Mins

Total Marks: 21

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

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

Answer: C) To reduce the noise

2. What is the purpose of catalytic converter?

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

Answer: C) Control the emission

3. What is the material of exhaust manifold?

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

Answer: A) Cast iron

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

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

Answer: C) Air filter

5. Which component is related to exhaust system?

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

Answer: A) Muffler

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

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

Answer: C) Lead

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

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

Answer: C) Paper

8. Which process is taken place in catalytic converter?

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

Answer: B) Chemical

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

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

Answer: A) Electronic type

10. How does a turbocharger get drive?

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

Answer: A) By exhaust gas

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

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

Answer: B) Palladium and platinum

12. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

13. Which is related to pneumatic system?

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

Answer: B) Compressed air

14. Where the exhaust system muffler is connected?

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

Answer: C) Between exhaust pipe and tail pipe

15. Where the catalytic converters are used?

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

Answer: D) Exhaust system

16. Which part connects the petrol engine inlet manifold?

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

Answer: A) Carburetor

17. What is the purpose of the turbo charger?

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

Answer: B) Pump more air into the cylinder

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

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

Answer: A) Electronic type

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

- A) High temperature
- B) Low noise

- C) Excessive back pressure
- D) Low temperature

Answer: C) Excessive back pressure

20. 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

Answer: D) Between exhaust pipe and muffler

21. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold
