

**Duration: 30 Mins**

**Total Marks: 38**

**Q.ID: ITISKILL4933GA**

1. What is the purpose of metal fins in air cooling system?

- A) Reduce the heat
- B) Maintain the heat
- C) Supply the heat
- D) Increase the heat

**Answer: A) Reduce the heat**

2. Which part connects the petrol engine inlet manifold?

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

**Answer: A) Carburetor**

3. Which oil is used in cooling system?

- A) Lubricant oil
- B) Coolant oil
- C) Mineral oil
- D) Hydraulic oil

**Answer: B) Coolant oil**

4. Which one is the properties of lubricant

- A) Should develop foam
- B) Oil viscosity should be suit the operating conditions
- C) Boiling temperature should be low
- D) Oil viscosity should not be same in hot and cold condition

**Answer: B) Oil viscosity should be suit the operating conditions**

5. Which types of cooling system the rate of cooling is very low?

- A) Pump circulation system
- B) Forced feed system
- C) Thermo siphon system
- D) Air cooling system

**Answer: C) Thermo siphon system**

6. Which part allows to flow water from upper tank to lower tank of the radiator?

- A) Fins
- B) Water pump
- C) Core tubes
- D) Bottom hole

**Answer: C) Core tubes**

7. Which part is lubricated by splash lubrication system?

- A) Main journal
- B) Timing gears
- C) Cylinder wall
- D) Crank pin

**Answer: C) Cylinder wall**

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

- A) Muffler
- B) Air filter

C) Oil filter

D) Fuel filter

**Answer: B) Air filter**

9. How many valves are used in radiator cap?

- A) One valve
- B) Four valves
- C) Three valves
- D) Two valves

**Answer: D) Two valves**

10. Which process is taken place in catalytic convertor?

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

**Answer: B) Chemical**

11. What is the material of inlet manifold?

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

**Answer: A) Aluminium alloy**

12. Where the catalytic converters are used?

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

**Answer: A) Exhaust system**

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

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

**Answer: D) Lead**

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

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

**Answer: A) Palladium and platinum**

15. Where the catalytic converter is fitted?

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

**Answer: D) Between exhaust pipe and muffler**

16. Where is the turbocharger mounted?

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

**Answer: D) Exhaust manifold**

**17.** What is the effect if thermostat valve is struck?

- A) Engine gets over heating  
C) Engine does not start
- B) Engine does not stop  
D) Engine gets over cooling

**Answer: A) Engine gets over heating**

**18.** Where heat dissipation take place in cooling system?

- A) Water jackets  
C) Water pump
- B) Fan  
D) Radiator

**Answer: D) Radiator**

**19.** What is the purpose of water pump in cooling system?

- A) Reduce the water pressure  
C) Force the water circulation
- B) Increase the water temperature  
D) Flushing out the cooling system

**Answer: C) Force the water circulation**

**20.** How oil deliver from the crank shaft main bearings to connecting rod bearings?

- A) Through vibration damper  
C) Through drilled oil passages
- B) Through crank pulley  
D) Through sprocket

**Answer: C) Through drilled oil passages**

**21.** What is the purpose of the muffler in the exhaust system?

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

**Answer: D) To reduce the noise**

**22.** Which component is related to exhaust system?

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

**Answer: D) Muffler**

**23.** How does a turbocharger get drive?

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

**Answer: D) By exhaust gas**

**24.** What is the purpose of the turbo charger?

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

**Answer: D) Pump more air into the cylinder**

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

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

**Answer: A) Electronic type**

**26.** What is the material of exhaust manifold?

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

**Answer: C) Cast iron**

**27.** Which is related to pneumatic system?

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

**Answer: D) Compressed air**

**28.** Where the exhaust system muffler is connected?

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

**Answer: B) Between exhaust pipe and tail pipe**

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

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

**Answer: A) Excessive back pressure**

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

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

**Answer: B) Paper**

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

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

**Answer: D) Electronic type**

**32.** What is the purpose of a radiator pressure cap?

- A) Release the excess pressure  
C) Maintain the water temperature
- B) Retain the atmospheric pressure  
D) Retain the vacuum pressure

**Answer: A) Release the excess pressure**

**33.** What is the purpose of the radiator in the cooling system?

- A) Cool the hot air  
C) Cool the hot water
- B) Cool the water pump  
D) Cool the hot oil

**Answer: C) Cool the hot water**

34. Which part is used to pump the water in water pump?

- A) Impeller
- B) Shaft
- C) Bearing
- D) Pulley

**Answer: A) Impeller**

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35. Which part drives the oil pump?

- A) Crank pulley
- B) Timing gears
- C) Cam Shaft
- D) Crank Shaft

**Answer: C) Cam Shaft**

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36. 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**

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37. Where the metal fins are provided in the air cooled engine?

- A) Cylinder and head
- B) Exhaust pipe
- C) Valve door
- D) Intake manifold

**Answer: A) Cylinder and head**

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38. Which type of pump is used in water cooling system?

- A) Gear pump
- B) Centrifugal pump
- C) Reciprocating pump
- D) Diaphragm pump

**Answer: B) Centrifugal pump**

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