

Duration: 30 Mins

Total Marks: 38

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Student Name: _____ Roll No: _____

- Which type of filter element is fitted in dry type air cleaner?
A) Paper
B) Strainer
C) Wire mesh
D) Cloth
- What is the purpose of a radiator pressure cap?
A) Retain the vacuum pressure
B) Retain the atmospheric pressure
C) Maintain the water temperature
D) Release the excess pressure
- What is the purpose of catalytic converter?
A) Control the temperature
B) Control the fuel consumption
C) Control the noise
D) Control the emission
- What is the material of exhaust manifold?
A) Bronze
B) Cast iron
C) Steel alloy
D) Brass
- How many valves are used in radiator cap?
A) Two valves
B) One valve
C) Four valves
D) Three valves
- Which type of pump is used in water cooling system?
A) Centrifugal pump
B) Gear pump
C) Diaphragm pump
D) Reciprocating pump
- What is the purpose of the turbo charger?
A) Filter the exhaust gas
B) Scavenging
C) Save power
D) Pump more air into the cylinder
- Which part is lubricated by splash lubrication system?
A) Crank pin
B) Timing gears
C) Cylinder wall
D) Main journal
- What is the purpose of metal fins in air cooling system?
A) Supply the heat
B) Increase the heat
C) Maintain the heat
D) Reduce the heat
- 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
- How oil deliver from the crank shaft main bearings to connecting rod bearings?
A) Through sprocket
B) Through drilled oil passages
C) Through crank pulley
D) Through vibration damper
- Which part connects the petrol engine inlet manifold?
A) Injector
B) Air filter
C) Fuel pump
D) Carburetor
- Which component is related to exhaust system?
A) Injection pump
B) Carburetor
C) Muffler
D) Air filter
- What is the material of inlet manifold?
A) Aluminium alloy
B) Brass
C) Bronze
D) Stainless steel
- Which are the materials commonly used in the catalytic converter?
A) Chromium and vanadium
B) Zinc and molybdenum
C) Asbestos and ceramics
D) Palladium and platinum
- Where the catalytic converter is fitted?
A) Between exhaust pipe and muffler
B) Between muffler and tail pipe
C) Between engine head and exhaust manifold
D) Between tail pipe and resonator pipe
- Where the catalytic converters are used?
A) Lubrication system
B) Inlet system
C) Fuel system
D) Exhaust system
- What is the purpose of the muffler in the exhaust system?
A) To reduce the noise
B) To filter the exhaust gases

C) To reduce the heat D) To reduce the vibration

19. Where the exhaust system muffler is connected?

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

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

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

21. Which oil is used in cooling system?

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

22. Where heat dissipation take place in cooling system?

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

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

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

24. Which is related to pneumatic system?

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

25. Which process is taken place in catalytic convertor?

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

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

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

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

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

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

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

29. Where is the turbocharger mounted?

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

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

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

31. What is the purpose of the radiator in the cooling system?

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

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

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

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

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

34. Which one is the properties of lubricant

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

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

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

36. Which part drives the oil pump?

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

37. What is the effect if thermostat valve is struck?

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

38. How does a turbocharger get drive?

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