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1. Which oil is used in cooling system?

- A) Lubricant oil (Incorrect) B) Mineral oil
C) **Coolant oil** D) Hydraulic oil

2. Which one is the properties of lubricant

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

3. Which part drives the oil pump?

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

4. Which part is lubricated by splash lubrication system?

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

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

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

6. What is the purpose of a radiator pressure cap?

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

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

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

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

- A) Bearing B) Shaft
C) Pulley (Incorrect) D) **Impeller**

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

- A) Engine gets over cooling (Incorrect) B) **Engine gets over heating**

- C) Engine does not start D) Engine does not stop

10. Where heat dissipation take place in cooling system?

- A) **Radiator** B) Water pump (Incorrect)
C) Water jackets D) Fan

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

- A) Gear pump B) Diaphragm pump
C) **Centrifugal pump (Correct)** D) Reciprocating pump

12. How many valves are used in radiator cap?

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

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

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

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

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

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

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

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

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

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

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

18. Which part connects the petrol engine inlet manifold?

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

19. What is the material of inlet manifold?

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

20. Which component is related to exhaust system?

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

21. Which is related to pneumatic system?

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

22. Where is the turbocharger mounted?

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

23. What is the material of exhaust manifold?

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

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

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

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

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

26. Which process is taken place in catalytic convertor?

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

27. What is the purpose of the turbo charger?

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

28. How does a turbocharger get drive?

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

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

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

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

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

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

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

32. Where the exhaust system muffler is connected?

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

33. Where the catalytic converters are used?

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

34. What is the purpose of catalytic converter?

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

35. Where the catalytic converter is fitted?

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

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

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

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

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

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

A) Tin

B) Lead (Correct)

C) Chromium

D) Phosphorus
