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1. Which oil is used in cooling system?

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

2. Which one is the properties of lubricant

- A) Boiling temperature should be low (Incorrect)            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**

3. Which part drives the oil pump?

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

4. Which part is lubricated by splash lubrication system?

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

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 (Incorrect)  
C) Retain the vacuum pressure                      D) Retain the atmospheric pressure

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 (Correct)**                      B) Water pump  
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**                      D) Reciprocating pump (Incorrect)

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                          D) Bottom hole (Incorrect)

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  
**C) Reduce the heat (Correct)**                      D) Maintain the heat

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

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

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

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

18. Which part connects the petrol engine

inlet manifold?

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

19. What is the material of inlet manifold?

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

20. Which component is related to exhaust system?

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

21. Which is related to pneumatic system?

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

22. Where is the turbocharger mounted?

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

23. What is the material of exhaust manifold?

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

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

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

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

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

26. Which process is taken place in catalytic convertor?

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

27. What is the purpose of the turbo charger?

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

28. How does a turbocharger get drive?

- A) By belt  
B) By gear

C) By inlet gas

**D) By exhaust gas (Correct)**

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

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

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

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

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

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

32. Where the exhaust system muffler is connected?

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

33. Where the catalytic converters are used?

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

34. What is the purpose of catalytic converter?

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

35. Where the catalytic converter is fitted?

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

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

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

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

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

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

A) Tin

C) Chromium

**B) Lead (Correct)**

D) Phosphorus

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