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Score: 20/50 (40.00%)

Code: 9070

1. In which type of cooling system used fins on the cylinder head?

- A) Oil cooling  
B) Water cooling  
C) Liquid cooling  
D) **Air cooling (Correct)**

2. In which types of cooling systems rate of cooling is very low?

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

3. Which part prevent leakage of water in the water pump?

- A) Impeller  
B) Bearing  
C) **Seal**  
D) Pully (Incorrect)

4. Where is the thermostat valve fitted in pressurised cooling system?

- A) Water outlet of water pump  
B) Water outlet of radiator (Incorrect)  
C) Water outlet of water jacket  
D) **Water outlet of cylinder head**

5. Which type of lubrication system used in two stroke engine?

- A) Dry sump lubrication  
B) Wet sump lubrication  
C) **Petrol-oil lubrication**  
D) Splash lubrication (Incorrect)

6. Which part of the crank shaft flow oil to crank pin?

- A) Crank web  
B) Crank shaft thrust bearing  
C) **Crank shaft main journal (Correct)**  
D) Crank pully

7. Which device suckes oil from oil sump?

- A) Strainer  
B) Suction pipe  
C) **Pump**  
D) Filter (Incorrect)

8. How the water circulation is obtained in thermosyphon system?

- A) By forced feed of water  
B) **By density of water of hot and cold water**  
C) By gravity of water  
D) By water jackets (Incorrect)

9. What is the effect of the water level falls down in thermo

syphon system?

- A) Circulation continue  
B) Circulation low  
C) **Circulation discontinue (Correct)**  
D) Circulation high

10. How the water pump get drive in pump circulation cooling system?

- A) **By belt**  
B) By gear  
C) By chain  
D) By coupling (Incorrect)

11. Which condition thermostat valve open?

- A) Low temperature of engine  
B) High temperature of engine  
C) **Operating temperature of engine**  
D) Freezing temperature of engine (Incorrect)

12. What is the main purpose of the lubricant?

- A) **Minimise the friction (Correct)**  
B) Increase the friction  
C) Increase the wearness  
D) Increase the noise

13. How to check the damaged radiator core tubes?

- A) **Check visually (Correct)**  
B) Check with special tools  
C) Check with computer  
D) Check with bore dial gauge

14. What is the material of cylinder block?

- A) **Cast iron**  
B) Bronze (Incorrect)  
C) Brass  
D) Zinc alloy

15. What is the material of piston pins?

- A) **Nickel chromium steel (Correct)**  
B) Cast iron  
C) HSS  
D) Bronze

16. What is the material used to produce crank shaft?

- A) **Chromium vanadium nickel steel**  
B) High speed steel  
C) Cast iron  
D) Wrought iron (Incorrect)

17. Which tool used to remove the crank shaft pully?

- A) Double end spanner  
B) Ring spanner  
C) Pipe wrench  
D) **Puller (Correct)**

18. What is the material of inlet valve?

- A) **Nickel steel alloy**      B) Aluminium alloy  
C) Copper alloy      D) Chromium alloy  
(Incorrect)

19. What is the type of hardening done on crank shaft?

- A) **Induction hardening**      B) Case hardening  
C) Flame hardening      D) Surface hardening  
(Incorrect)

20. What is the load taken by taper roller bearing?

- A) Radial load      B) Axial load  
C) Thrust load (Incorrect)      D) **Radial and axial load**

21. Where the bush bearing preferred?

- A) **Connecting rods**      B) Fly wheel and water pumps  
C) Differential and wheel hub      D) Gear boxes (Incorrect)

22. Which is the engine having cylinders in 90 Degree each of 4 cylinders?

- A) Inline Engine      B) V-Engine  
C) Opposed engine      D) **Radial engine** (Correct)

23. Which is the engine also called as constant pressure cycle engine?

- A) Otto cycle      B) **Diesel cycle** (Correct)  
C) Dual cycle      D) Rankave cycle

24. How the piston stroke is defined as?

- A) **Double the throw**      B) Half of the throw  
C) Equal to the throw      D) 4 times of throw  
(Incorrect)

25. What is the use of bourdon gauge?

- A) **To measure pressure** (Correct)      B) To measure temperature  
C) To measure volume      D) To measure heat

26. Which is the most preferred starting system in LMV?

- A) Hand cranking      B) Compressed air cranking  
C) Gasoline engine cranking      D) **Electric motor cranking**  
(Correct)

27. Which is measured by ammeter in an electrical circuit?

- A) Power (Incorrect)      B) Voltage  
C) **Current**      D) Resistances

28. Which part is connected and complete the Horn circuit of the push button pressed?

- A) Core      B) Tone disc (Incorrect)  
C) Horn points      D) **Ground plate**

29. What is the energy conversion of battery during discharge?

- A) Electrical energy into heat energy      B) **Chemical energy into electrical energy** (Correct)  
C) Electrical energy into chemical energy      D) Electrical energy into mechanical energy

30. What is the material of positive plate in the lead acid battery?

- A) Tin      B) **Lead peroxide**  
C) Antimony (Incorrect)      D) Spongy lead

31. Which acid is used in the lead acid battery?

- A) Nitric acid      B) **Sulphuric acid** (Correct)  
C) Hydro bromic acid      D) Hydro chloric acid

32. What is the specific gravity of fully charged battery?

- A) 1.170 - 1.200      B) 1.210 - 1.230  
C) 1.240 - 1.250 (Incorrect)      D) **1.260 - 1.280**

33. Which nut is used for structural and machine tool construction?

- A) Square nut (Incorrect)      B) **Hexagonal nut**  
C) Wing nut      D) Castle nut

34. Which type of portable drilling machine have variable speed?

- A) Breast hand drill      B) **Heavy duty electric hard drill** (Correct)  
C) Ratchet hand drill      D) Bevel gear hand drill

35. What is the material of the hand tap?

- A) Cast Iron      B) Low carbon steel  
C) **High speed steel**      D) Stainless steel (Incorrect)

36. What is the material generally used for manufacturing inlet manifold?

- A) **Aluminium alloy** (Correct)      B) Copper  
C) Steel      D) Plastic

37. What material is used for manufacturing exhaust manifold?

- A) **Cast iron**      B) Aluminium alloy  
C) Copper      D) Steel (Incorrect)

38. Which part ensures uniform pressure on the measuring faces in the outside micrometer?

A) Barrel (Incorrect)

B) Spindle

C) Thimble

**D) Ratchet stop**

39. Which material used in the outside micrometer anvil?

A) Brass

B) Bronze (Incorrect)

C) Carbon

**D) Carbide**

40. What is the value of one thimble division reading in outside micrometer?

A) 0.05 mm

**B) 0.01 mm (Correct)**

C) 0.02 mm

D) 0.03 mm

41. Which instrument is used to check the end-play of crank shaft?

**A) Dial test indicator**

B) Telescopic gauge

C) Bore dial gauge

D) Slip gauge (Incorrect)

42. Which marking media is used on the rough surfaces?

**A) White wash**

B) Prussian blue (Incorrect)

C) Copper Sulphate

D) Cellulose lacquer

43. Which marking device used to scribe circle?

A) Jenny caliper

B) Inside caliper (Incorrect)

**C) Spring divider**

D) Out side caliper

44. Which type of occupational health hazards involves 'Toxic'?

A) Physical hazard

**B) Chemical hazard**

C) Biological hazard (Incorrect)

D) Mechanical hazard

45. Which is the motive of occupational health and safety?

A) Decrease employee morale

B) Decreasing the quality

**C) Reducing absenteeism**

D) Minimising productivity (Incorrect)

46. Which is the occupational mechanical hazard?

A) Sickness

B) Current leakage

**C) Unguarded machinery (Correct)**

D) Wrong layout of machinery

47. Which is the Biological hazard?

A) Smoking

B) Sickness

**C) Infection (Correct)**

D) Poor discipline

48. Which fire extinguisher used for flammable liquid fires?

A) Halon extinguisher

**B) Dry powder extinguisher (Correct)**

C) CTC extinguisher

D) Water extinguisher

49. What is indicate 2498 CC in vehicle specification?

**A) Engine capacity**

B) Full tank capacity (Incorrect)

C) Single bore capacity

D) Master cylinder capacity

50. Which type of service equipment used to hold the lifted vehicle for a long period?

**A) Hoist**

B) Jack stand (Incorrect)

C) Arbor press

D) Hydraulic jack