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Score: 16/50 (32.00%)

Code: 5195

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

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

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

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

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

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

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

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

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

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

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

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

7. Which device suckes oil from oil sump?

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

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

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

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

A) Circulation continue (Incorrect)

B) Circulation low

C) **Circulation discontinue**

D) Circulation high

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

A) **By belt (Correct)**

B) By gear

C) By chain

D) By coupling

11. Which condition thermostat valve open?

A) Low temperature of engine

B) High temperature of engine

C) **Operating temperature of engine (Correct)**

D) Freezing temperature of engine

12. What is the main purpose of the lubricant?

A) **Minimise the friction**

B) Increase the friction (Incorrect)

C) Increase the wearness

D) Increase the noise

13. How to check the damaged radiator core tubes?

A) **Check visually**

B) Check with special tools (Incorrect)

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**

B) Cast iron

C) HSS

D) Bronze (Incorrect)

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

A) **Chromium vanadium nickel steel (Correct)**

B) High speed steel

C) Cast iron

D) Wrought iron

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 (Incorrect) D) Chromium alloy

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
(Incorrect) D) Gear boxes

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

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

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

- A) Otto cycle (Incorrect) **B) Diesel cycle**
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** B) To measure temperature
C) To measure volume
(Incorrect) 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
(Incorrect) **D) Electric motor cranking**

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

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

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

- A) Core B) Tone disc

- C) Horn points (Incorrect) **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**
C) Electrical energy into chemical energy (Incorrect) D) Electrical energy into mechanical energy

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

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

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

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

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 **D) 1.260 - 1.280** (Correct)

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

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

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

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

35. What is the material of the hand tap?

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

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

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

37. What material is used for manufacturing exhaust manifold?

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

38. Which part ensures uniform pressure on the measuring

faces in the outside micrometer?

- A) Barrel
C) Thimble
B) Spindle (Incorrect)
D) Ratchet stop

39. Which material used in the outside micrometer anvil?

- A) Brass (Incorrect)
C) Carbon
B) Bronze
D) Carbide

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

- A) 0.05 mm
C) 0.02 mm
B) 0.01 mm (Correct)
D) 0.03 mm

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

- A) Dial test indicator**
C) Bore dial gauge
B) Telescopic gauge (Incorrect)
D) Slip gauge

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

- A) White wash (Correct)**
C) Copper Sulphate
B) Prussian blue
D) Cellulose lacquer

43. Which marking device used to scribe circle?

- A) Jenny caliper
C) **Spring divider**
B) Inside caliper (Incorrect)
D) Out side caliper

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

- A) Physical hazard (Incorrect)
B) Chemical hazard

C) Biological hazard

D) Mechanical hazard

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

- A) Decrease employee morale
C) **Reducing absenteeism**
B) Decreasing the quality
D) Minimising productivity (Incorrect)

46. Which is the occupational mechanical hazard?

- A) Sickness
C) **Unguarded machinery (Correct)**
B) Current leakage
D) Wrong layout of machinery

47. Which is the Biological hazard?

- A) Smoking
C) **Infection**
B) Sickness (Incorrect)
D) Poor discipline

48. Which fire extinguisher used for flammable liquid fires?

- A) Halon extinguisher
C) CTC extinguisher
B) Dry powder extinguisher (Correct)
D) Water extinguisher

49. What is indicate 2498 CC in vehicle specification?

- A) Engine capacity (Correct)**
C) Single bore capacity
B) Full tank capacity
D) Master cylinder capacity

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

- A) Hoist**
C) Arbor press
B) Jack stand
D) Hydraulic jack (Incorrect)