

Monthly Test April 2026

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SJT ITI DAMBAL

Question Paper

Student: Kalmesh basavaraj ANGADI

Score: 12/50 (24.00%)

Code: 3984

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

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

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 (Incorrect)
C) **Seal** D) Pulley

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

- A) Water outlet of water pump (Incorrect) B) Water outlet of radiator
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 (Correct)** D) Splash lubrication

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 pulley

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

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

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

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

- A) **By belt** B) By gear (Incorrect)
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
C) Increase the wearness (Incorrect) D) Increase the noise

13. How to check the damaged radiator core tubes?

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

14. What is the material of cylinder block?

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

15. What is the material of piston pins?

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

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 pulley?

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

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 (Incorrect) D) Surface hardening

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

- A) Radial load B) Axial load (Incorrect)
C) Thrust load 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 (Incorrect)
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 (Incorrect) D) 4 times of throw

25. What is the use of bourdon gauge?

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

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

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

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
C) Horn points D) **Ground plate (Correct)**

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 D) Spongy lead (Incorrect)

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

- A) Nitric acid (Incorrect) B) **Sulphuric acid**
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 D) **1.260 - 1.280 (Correct)**

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

35. What is the material of the hand tap?

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

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

- A) **Aluminium alloy** B) Copper (Incorrect)
C) Steel 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 B) Spindle (Incorrect)
C) Thimble 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 (Incorrect)
C) 0.02 mm

- B) **0.01 mm**
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
D) Slip gauge (Incorrect)

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 (Incorrect)

- B) Inside caliper
D) Out side caliper

- C) **Spring divider**

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

- A) Physical hazard
C) Biological hazard (Incorrect)

- B) **Chemical hazard**
D) Mechanical hazard

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

- A) Decrease employee morale

- B) Decreasing the quality

- C) **Reducing absenteeism (Correct)**

- D) Minimising productivity

46. Which is the occupational mechanical hazard?

- A) Sickness (Incorrect)

- B) Current leakage

- C) **Unguarded machinery**

- 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**

- C) CTC extinguisher (Incorrect)

- 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

- C) Arbor press

- D) Hydraulic jack (Incorrect)