

Monthly Test April 2026

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SJT ITI DAMBAL

Question Paper

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Score: 16/50 (32.00%)

Code: 5445

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** B) Air cooling system (Incorrect)
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) Pully

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 (Incorrect)
C) **Petrol-oil lubrication** 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 pully

7. Which device suckes oil from oil sump?

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

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 (Incorrect)
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 (Incorrect) B) High temperature of engine
C) **Operating temperature of engine** 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 (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 (Correct)** B) Bronze
C) Brass D) Zinc alloy

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** 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 (Incorrect) B) Ring spanner
C) Pipe wrench D) **Puller**

18. What is the material of inlet valve?

A) Nickel steel alloy

B) Aluminium alloy
(Incorrect)

C) Copper alloy

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 (Incorrect)

B) Axial load

C) Thrust load

D) Radial and axial load

21. Where the bush bearing preferred?

A) Connecting rods
(Correct)

B) Fly wheel and water pumps

C) Differential and wheel hub

D) Gear boxes

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

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
(Incorrect)

D) 4 times of throw

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
(Incorrect)

D) Electric motor cranking

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

A) Power

B) Voltage

C) Current (Correct)

D) Resistances

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

A) Core (Incorrect)

B) Tone disc

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 (Correct)

C) Antimony

D) Spongy lead

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

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

D) Bevel gear hand drill
(Incorrect)

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

C) Steel

D) Plastic (Incorrect)

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
C) Thimble (Incorrect)

- B) Spindle
D) **Ratchet stop**

- C) Biological hazard

- D) Mechanical hazard (Incorrect)

39. Which material used in the outside micrometer anvil?

- A) Brass
C) Carbon (Incorrect)

- B) Bronze
D) **Carbide**

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

- A) Decrease employee morale (Incorrect)

- B) Decreasing the quality
D) Minimising productivity

- C) **Reducing absenteeism**

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

46. Which is the occupational mechanical hazard?

- A) Sickness (Incorrect)

- B) Current leakage
D) Wrong layout of machinery

- C) **Unguarded machinery**

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)

47. Which is the Biological hazard?

- A) Smoking (Incorrect)

- B) Sickness
D) Poor discipline

- C) **Infection**

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

- A) **White wash (Correct)**
C) Copper Sulphate

- B) Prussian blue
D) Cellulose lacquer

48. Which fire extinguisher used for flammable liquid fires?

- A) Halon extinguisher (Incorrect)

- B) **Dry powder extinguisher**

- C) CTC extinguisher

- D) Water extinguisher

43. Which marking device used to scribe circle?

- A) Jenny caliper (Incorrect)

- B) Inside caliper
D) Out side caliper

- C) **Spring divider**

49. What is indicate 2498 CC in vehicle specification?

- A) **Engine capacity**

- B) Full tank capacity

- C) Single bore capacity

- D) Master cylinder capacity (Incorrect)

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

- A) Physical hazard

- B) **Chemical hazard**

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

- A) **Hoist (Correct)**

- B) Jack stand

- C) Arbor press

- D) Hydraulic jack