

Monthly Test

April 2026

Q. ID: ITISKILL8831SX

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SJT ITI DAMBAL

Answer Key

Duration: 45 Mins

Total Marks: 50

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1. Which is the Biological hazard?

- A) Smoking B) Infection
C) Poor discipline D) Sickness

Answer: B) Infection

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

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

Answer: D) Lead peroxide

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

- A) Crank pulley B) Crank shaft main journal
C) Crank web D) Crank shaft thrust bearing

Answer: B) Crank shaft main journal

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

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

Answer: C) Ratchet stop

5. How the piston stroke is defined as?

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

Answer: B) Double the throw

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

- A) Mechanical hazard B) Chemical hazard
C) Biological hazard D) Physical hazard

Answer: B) Chemical hazard

7. What is the use of bourdon gauge?

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

Answer: A) To measure pressure

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

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

Answer: C) 0.01 mm

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

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

Answer: B) Current

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

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

Answer: C) Thermo siphon system

11. What is the material of cylinder block?

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

Answer: C) Cast iron

12. 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

Answer: C) Operating temperature of engine

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

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

Answer: A) Sulphuric acid

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

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

Answer: C) Dial test indicator

15. What material is used for manufacturing exhaust manifold?

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

Answer: D) Cast iron

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

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

Answer: B) Radial and axial load

17. Which marking device used to scribe circle?

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

Answer: D) Spring divider

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

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

Answer: C) Electric motor cranking

19. Which device suckes oil from oil sump?

- A) Strainer
- B) Pump
- C) Filter
- D) Suction pipe

Answer: B) Pump

20. Which fire extinguisher used for flammable liquid fires?

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

Answer: C) Dry powder extinguisher

21. What is the material of the hand tap?

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

Answer: B) High speed steel

22. What is indicate 2498 CC in vehicle specification?

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

Answer: C) Engine capacity

23. What is the material of inlet valve?

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

Answer: B) Nickel steel alloy

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

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

Answer: C) Ground plate

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

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

Answer: A) 1.260 - 1.280

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

- A) Dry sump lubrication
- B) Splash lubrication

- C) Petrol-oil lubrication
- D) Wet sump lubrication

Answer: C) Petrol-oil lubrication

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

- A) Pully
- B) Seal
- C) Impeller
- D) Bearing

Answer: B) Seal

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

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

Answer: D) Hoist

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

- A) Liquid cooling
- B) Air cooling
- C) Oil cooling
- D) Water cooling

Answer: B) Air cooling

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

- A) Hexagonal nut
- B) Castle nut
- C) Square nut
- D) Wing nut

Answer: A) Hexagonal nut

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

- A) By coupling
- B) By chain
- C) By belt
- D) By gear

Answer: C) By belt

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

- A) Induction hardening
- B) Surface hardening
- C) Flame hardening
- D) Case hardening

Answer: A) Induction hardening

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

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

Answer: C) Radial engine

34. Which is the occupational mechanical hazard?

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

Answer: C) Unguarded machinery

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

- A) Diesel cycle B) Otto cycle
C) Dual cycle D) Rankave cycle

Answer: A) Diesel cycle

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

- A) Circulation high B) Circulation continue
C) Circulation low D) Circulation discontinue

Answer: D) Circulation discontinue

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

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

Answer: A) Chromium vanadium nickel steel

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

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

Answer: A) Heavy duty electric hard drill

39. What is the material of piston pins?

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

Answer: C) Nickel chromium steel

40. Where the bush bearing preferred?

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

Answer: D) Connecting rods

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

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

Answer: A) Water outlet of cylinder head

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

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

Answer: C) Puller

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

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

Answer: B) Chemical energy into electrical energy

44. What is the main purpose of the lubricant?

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

Answer: D) Minimise the friction

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

- A) Reducing absentism B) Decrease employee morale
C) Minimising productivity D) Decreasing the quality

Answer: A) Reducing absentism

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

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

Answer: A) By density of water of hot and cold water

47. Which material used in the outside micrometer anvil?

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

Answer: D) Carbide

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

- A) Copper B) Plastic
C) Steel D) Aluminium alloy

Answer: D) Aluminium alloy

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

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

Answer: B) White wash

50. How to check the damaged radiator core tubes?

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

Answer: D) Check visually