

# Monthly Test April 2026

Q. ID: ITISKILL8831SX

April 2026

SJT ITI DAMBAL

Question Paper

Duration: 45 Mins

Total Marks: 50

ID: ITISKILL8831SX

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. Which is the Biological hazard?

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

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

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

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

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

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

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

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

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

6. What is the use of bourdon gauge?

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

7. Which material used in the outside micrometer anvil?

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

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

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

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

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

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

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

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

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

12. How to check the damaged radiator core tubes?

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

13. Which condition thermostat valve open?

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

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

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

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

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

16. Which is the occupational mechanical hazard?

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

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

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

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

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

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

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

20. What is the main purpose of the lubricant?

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

21. Which fire extinguisher used for flammable liquid fires?

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

22. Which marking device used to scribe circle?

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

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

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

24. What is the material of the hand tap?

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

25. What material is used for manufacturing exhaust manifold?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

33. Which device suckes oil from oil sump?

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

34. What is the material of inlet valve?

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

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

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

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

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

37. Where the bush bearing preferred?

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

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

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

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

- A) Electrical energy into heat      B) Chemical energy into electrical energy

C) Electrical energy into mechanical energy

D) Electrical energy into chemical energy

40. What is the material of cylinder block?

A) Bronze

B) Cast iron

C) Zinc alloy

D) Brass

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

A) Copper

B) Aluminium alloy

C) Plastic

D) Steel

42. How the piston stroke is defined as?

A) Equal to the throw

B) Double the throw

C) Half of the throw

D) 4 times of throw

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

A) Dry sump lubrication

B) Petrol-oil lubrication

C) Wet sump lubrication

D) Splash lubrication

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

A) Decrease employee morale

B) Minimising productivity

C) Reducing absentism

D) Decreasing the quality

45. What is the material of piston pins?

A) Nickel chromium steel

B) Bronze

C) HSS

D) Cast iron

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

A) Heavy duty electric hard drill

B) Bevel gear hand drill

C) Ratchet hand drill

D) Breast hand drill

47. What is indicate 2498 CC in vehicle specification?

A) Full tank capacity

B) Single bore capacity

C) Master cylinder capacity

D) Engine capacity

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

A) Radial engine

B) Opposed engine

C) Inline Engine

D) V-Engine

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

A) Surface hardening

B) Flame hardening

C) Induction hardening

D) Case hardening

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

A) Hydro chloric acid

B) Hydro bromic acid

C) Nitric acid

D) Sulphuric acid