

Duration: 60 Mins

Total Marks: 51

ID: ITISKILL96642S

Student Name: _____	Roll No: _____
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1. Which spanner used for zero setting in outside micrometer?

- A) Double end spanner B) Hooks spanner
- C) Adjustable spanner D) Ring spanner

2. Which part operates the brake shoe in the hydraulic brake system?

- A) Break pedal B) Break drum
- C) Master cylinder D) Wheel cylinder

3. What is the name of beveled graduated sleeve of outside micro meter?

- A) Barrel B) Thimble
- C) Spindle D) Anvil

4. Which component of air brake system converts pneumatic into mechanical energy?

- A) Compressor B) Brake chamber
- C) Brake valve D) Reservoir

5. Which gauge used to check leakage of inlet mainfied?

- A) Pressure gauge B) Emission gauge
- C) Vacuum gauge D) Feeler gauge

6. Which screw driver is used in blind space?

- A) Philips screw driver B) Offset screw driver
- C) Stumpy screw driver D) Ratchet screw driver

7. What is the purpose of the cross pein in the hammer?

- A) Spread the metal in one direction B) Strike the metal
- C) Fix the handle D) Strike the metal in all direction

8. Which type of socket spanner can be turned to an angle?

- A) Swivel socket spanner B) Deep socket spanner
- C) Spark plug socket spanner D) Socket spanner

9. Which gauge is used to check the inflation of tyre?

- A) Wire gauge B) Pressure gauge

- C) Feeler gauge D) Vacuum gauge

10. Which one is the indirect measuring instrument?

- A) Inside micrometer B) Inside caliper
- C) Steel rule D) Outside micrometer

11. What is the effect if the unloader valve is in open position?

- A) Allow the air in to the air tank B) Release the air to the brake valve
- C) Maintain the required air pressure D) Continuously allow the air to the atmosphere

12. Which type of pump used in the hydraulic jack?

- A) Gear pump B) Vane pump
- C) Internal gear pump D) Plunger pump

13. Which unit supplies a fine mist of oil in pneumatic system?

- A) Actuator B) Control valve
- C) Pressure relief valve D) Air service unit

14. How the hammers are specified?

- A) Metal and weight B) Metal and shape
- C) Weight and shape D) Size and shape

15. Which law states that the pressure intensity of a static liquid equal in all direction?

- A) Newton's law B) Boyle's law
- C) Pascal's law D) Charle's law

16. Which type of chisel used to remove excess metal from welded joint?

- A) Cross cut chisel B) Diamond point chisel
- C) Half round chisel D) Flat chisel

17. Which valve is to be closed before lifting the load with hydraulic jack?

- A) Shut of valve B) Non return valve-2
- C) Relief valve D) Non return valve-1

18. What is the purpose of half round chisel?

- A) Cut curved grooves
- B) Cut keyways
- C) Squaring metal at corners
- D) Cut excess metal

19. Which measuring gauge needs to be set up to a fixed dimension before use?

- A) Dial test indicator
- B) Vernier dial gauge
- C) Depth gauge
- D) Dial bore gauge

20. Which hand tool used for circular cut in sheet metal work?

- A) Bend snip
- B) Side cutting plier
- C) Combination plier
- D) Straight snip

21. Which device converts mechanical energy into pneumatic energy?

- A) Actuator
- B) Generator
- C) Alternator
- D) Compressor

22. What is the distance covered by the spindle in one full rotation of thimble in outside micrometer?

- A) 1.5 mm
- B) 0.5 mm
- C) 2 mm
- D) 1.0 mm

23. What are the two instruments used to measure the warpage of the fly wheel?

- A) Steel rule, metal shim
- B) Straight edge, feeler gauge
- C) Wooden plank, metal shim
- D) Knife, wooden blank

24. Which instrument is used to check the right angle?

- A) Firm joint caliper
- B) Try square
- C) Spring Joint caliper
- D) Steel rule

25. What is the reason for pneumatic brake failure?

- A) Less pedal play
- B) Defective unloader valve
- C) More pedal play
- D) Defective front wheel slack adjuster

26. Which valve regulate the flow rate in hydraulic system?

- A) Delivery
- B) Pressure relief
- C) By pass
- D) Non return

27. What is the working principle of dial test indicator?

- A) Leverage motion
- B) Linear motion into reciprocating motion
- C) Spring motion
- D) Linear motion into rotary motion

28. What is the direction of driven gear in an external gear pump?

- A) Inclined direction
- B) Same direction
- C) Opposite direction
- D) Perpendicular direction

29. What is the type of inner drive gear used in the internal gear oil pump?

- A) Spur gear
- B) Spiral gear
- C) Helical gear
- D) Rotor gear

30. How many switching position in 4/2 directional control valve?

- A) Three
- B) One
- C) Two
- D) Four

31. Which instrument used to check the piston ring end gap?

- A) Vernier gauge
- B) Feeler gauge
- C) Pitch gauge
- D) Telescopic gauge

32. Which part in the internal gear pump act as seal?

- A) Gears
- B) Sealing ring
- C) Crescent-shaped spacer
- D) Gasket

33. Which instrument is used to check the run-out of crankshaft journals?

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

34. Which tool used to tighten the nuts and bolts at recommended tightness?

- A) Torque wrench
- B) Stud wrench
- C) Pipe wrench
- D) Adjustable wrench

35. Which valve save the pneumatic brake components against damage?

- A) Brake valve
- B) Relay valve
- C) Check valve
- D) Unloader valve

36. Which measure the liquid's resistance of flow?

- A) Quality
- B) Elasticity
- C) Gravity
- D) Viscosity

37. What is the power flow of pneumatic system?

- A) Compressor - Control valve - Actuator
- B) Compressor - Actuator - Control valve
- C) Control valve - Compressor - Actuator
- D) Actuator - Control valve - Compressor

38. Which plier used for bending narrow strips of thin metal sheet?

- A) Slip joint plier B) Flat nose plier
C) Round nose plier D) Internal circlip plier

39. Which device transmit the pressure equally to all wheel cylinders in hydraulic brake?

- A) Slave cylinder B) Servo cylinder
C) Booster cylinder D) Master cylinder

40. What is the function of hydraulic oil in hydraulic system?

- A) Reduce the pressure B) Increase the heat
C) Increase the volume D) Transmit power

41. What is the use of ratchet stop in out side micro meter?

- A) Prevent load B) Prevent excessive pressure
C) Prevent speed D) Prevent sliding

42. Which service unit act as filter, regulator and lubricator in the pneumatic system?

- A) Actuator unit B) Compressor unit
C) Valve unit D) Air service unit

43. Which law is applied in hydraulic brake system?

- A) Newton's law B) Charles law
C) Boyle's law D) Pascal's law

44. Which act as a seal in the external gear pump?

- A) Housing B) Gear meshing
C) Drive gear D) Driven gear

45. Which valve safe guards the hydraulics jack?

- A) Shut off valve B) Non return valve 1
C) Relief valve D) Non return valve 2

46. Which refers the size of hexagonal Allen key?

- A) Size of the diagonal B) Size across the flat
C) Size of the diameter D) Size of the radius

47. What is the smallest reading of vernier caliper?

- A) Allowance B) Tolerance
C) Least count D) Deviation

48. What is the working media in pneumatic system?

- A) Air B) Stream
C) Diesel D) Oil

49. Which device converts hydraulic energy into mechanical energy?

- A) Control Valve B) Actuator
C) Compressor D) Regulator

50. What is the use of ball pein hammer head?

- A) Strike the metal B) Spread the metal In all direction
C) Strike soft metal D) Stamp the specifications

51. Which is the power source of pneumatic system?

- A) Air Service unit B) Control value
C) Actuator D) Air Compressor