

ENGINEERING MEASUREMENTS

Q. ID: ITISKILL5934XU

February 2026

Answer Key

Duration: 60 Mins

Total Marks: 33

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1. Which metal tube is used for single thickness flare?

- A) Bronze
- B) Brass
- C) Copper
- D) Aluminium

Answer: C) Copper

2. What is the smallest reading of vernier caliper?

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

Answer: A) Least count

3. Which refers the size of hexagonal Allen key?

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

Answer: A) Size across the flat

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

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

Answer: A) Spread the metal in one direction

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

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

Answer: B) Prevent excessive pressure

6. What is the purpose of half round chisel?

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

Answer: C) Cut curved grooves

7. Which gauge used to check leakage of inlet manifold?

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

Answer: B) Vacuum gauge

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

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

Answer: B) Thimble

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

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

Answer: D) Pressure gauge

10. What is flaring?

- A) Increasing the diameter of a tube end
- B) Increasing the length of a tube
- C) Decreasing the length of a tube
- D) Decreasing the diameter of a tube

Answer: A) Increasing the diameter of a tube end

11. How the hammers are specified?

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

Answer: A) Weight and shape

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

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

Answer: A) Torque wrench

13. Which is used for marking and setting of work?

- A) Surface plate
- B) V- Block
- C) Bench vice
- D) Marking table

Answer: B) V- Block

14. Which spanner used for zero setting in outside micrometer?

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

Answer: A) Hooks spanner

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

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

Answer: D) Dial bore gauge

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

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

Answer: C) Feeler gauge

17. How the screw driver is specified?

- A) Thickness and length B) Width and diameter of the edge
C) Length of blade and width of tip D) Shape and length

Answer: C) Length of blade and width of tip

18. Which precision instrument used for taking external, internal and depth measurement?

- A) Outside micrometer B) Depth micrometer
C) Vernier caliper D) Inside micrometer

Answer: C) Vernier caliper

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

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

Answer: C) Straight edge, feeler gauge

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

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

Answer: C) Flat chisel

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

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

Answer: D) Linear motion into rotary motion

22. Which part of engine can be measured by dial gauge?

- A) Cylinder bore B) Crank pin
C) Piston D) Gudgeon pin

Answer: A) Cylinder bore

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

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

Answer: D) Dial test indicator

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

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

Answer: D) 0.5 mm

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

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

Answer: B) Bend snip

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

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

Answer: C) Swivel socket spanner

27. Which screw driver is used in blind space?

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

Answer: C) Offset screw driver

28. What is the purpose of angle plate?

- A) Grinding B) Polishing
C) Marking D) Machining

Answer: C) Marking

29. Which gauge used to check the spark plug gap?

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

Answer: C) Feeler gauge

30. Which one is the indirect measuring instrument?

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

Answer: C) Inside caliper

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

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

Answer: C) Try square

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

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

Answer: B) Spread the metal In all direction

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

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

Answer: B) Flat nose plier