

ITI Quiz - 21-Apr-2026

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Q. ID: ITISKILL07006Q

October 2025

Answer Key

Duration: 30 Mins

Total Marks: 30

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

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

Answer: D) Ratchet stop

2. What is the least count of the metric outside micrometer?

- A) 0.01 mm
- B) 0.0001 mm
- C) 0.10 mm
- D) 0.00001 mm

Answer: A) 0.01 mm

3. What is the measuring instrument used to measure diameter of a piston pin?

- A) Depth micrometer
- B) Inside micrometer
- C) 3 point internal micrometer
- D) Outside micrometer

Answer: D) Outside micrometer

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

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

Answer: B) Try square

5. Which can be measured by feeler gauge?

- A) Gap between mating parts
- B) Radius
- C) Surface roughness
- D) Screw pitch

Answer: A) Gap between mating parts

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

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

Answer: A) 0.01 mm

7. Which type of chisel used for squaring material at the corners?

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

Answer: B) Diamond point chisel

8. Which instrument used to read the telescopic gauge measurement?

- A) Depth micrometer
- B) Outside micrometer

C) Three point internal micrometer

D) Inside micrometer

Answer: B) Outside micrometer

9. Which marking device used to scribe circle?

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

Answer: D) Spring divider

10. Which part of vernier caliper used to measure internal and external measurement?

- A) Sliding unit
- B) Fixed jaw
- C) Beam
- D) Movable jaw

Answer: D) Movable jaw

11. What is the smallest possible measurement that can be taken with the depth micrometer?

- A) 0.001 mm
- B) 0.02 mm
- C) 0.002 mm
- D) 0.01 mm

Answer: D) 0.01 mm

12. Which is the fixed measuring face of micrometer?

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

Answer: B) Anvil

13. What is the purpose of mallets?

- A) Spread the metal to all sides
- B) Strike on soft metal
- C) Riveting operation
- D) Strike on hard metal

Answer: B) Strike on soft metal

14. What is the point angle of centre punch?

- A) 60 Degree
- B) 30 Degree
- C) 45 Degree
- D) 90 Degree

Answer: D) 90 Degree

15. What is the material used to make Allen keys?

- A) Aluminium alloy
- B) Chrome vanadium steel
- C) Cast iron
- D) High speed steel

Answer: B) Chrome vanadium steel

16. What is to be checked with vacuum gauge?

A) Leak in the cooling system B) Leak in the inlet-manifold system

C) Leak in the hydraulic brake system D) Leak in the air brake system

Answer: B) Leak in the inlet-manifold system

17. Which instrument is used to measure the diameter of cam shaft journals?

A) Three-point internal micrometer B) Depth micrometer

C) Outside micrometer D) Inside micrometer

Answer: C) Outside micrometer

18. What is the basic unit of length as per SI unit?

A) cm B) meter

C) km D) mm

Answer: B) meter

19. Which marking media is poisonous?

A) White wash B) Copper sulphate

C) Prussian blue D) Cellulose lacquer

Answer: B) Copper sulphate

20. What is the use of a bench vice?

A) To hold a work table B) To hold a chuck

C) To hold a work piece D) To hold a tool

Answer: C) To hold a work piece

21. Which measuring instrument used to measuring inside, outside and depth of work piece?

A) Micrometer B) Vernier caliper

C) Steel rule D) Dial caliper

Answer: B) Vernier caliper

22. What is the angle of prick punch?

A) 60 Degree B) 120 Degree

C) 180 Degree D) 90 Degree

Answer: A) 60 Degree

23. Which marking media used to mark in the finished surfaces?

A) Cellulose lacquer B) Copper Sulphate

C) White wash

D) Prussian blue

Answer: D) Prussian blue

24. What is the Purpose of chisel?

A) Grinding

B) Reaming

C) Chipping

D) Machining

Answer: C) Chipping

25. What is the purpose of the eye hole in an hammer?

A) Reduce the weight

B) Strike the job

C) Stamp the details

D) Fix the handle

Answer: D) Fix the handle

26. Which material used in the outside micrometer anvil?

A) Bronze

B) Brass

C) Carbide

D) Carbon

Answer: C) Carbide

27. What is the least count of vernier caliper in metric system?

A) 0.1 mm

B) 0.02 mm

C) 0.001 mm

D) 0.01 mm

Answer: B) 0.02 mm

28. Which part actuates the movement of the dial for reading measurement of dial bore gauge?

A) Stem

B) Plunger

C) Fixed anvil

D) Centring shoe

Answer: B) Plunger

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

A) Dial test indicator

B) Slip gauge

C) Bore dial gauge

D) Telescopic gauge

Answer: A) Dial test indicator

30. Which chisel is used to remove metal from large flat surface?

A) Diamond point chisel

B) Half round nose chisel

C) Flat chisel

D) Cross cut chisel

Answer: C) Flat chisel