

October 2026

Govt. ITI Bidkalkatte

Question Paper

Duration: 60 Mins

Total Marks: 33

ID: ITISKILL1727ME

Student Name: _____	Roll No: _____
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1. 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

2. What is the purpose of angle plate?

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

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

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

4. How the hammers are specified?

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

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

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

6. What is the smallest reading of vernier caliper?

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

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

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

8. Which one is the indirect measuring instrument?

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

9. What is flaring?

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

10. What is the purpose of half round chisel?

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

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

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

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

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

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

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

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

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

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

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

16. Which screw driver is used in blind space?

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

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

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

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

A) Crank pin	B) Cylinder bore
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C) Piston

D) Gudgeon pin

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

A) Spark plug socket spanner B) Socket spanner

C) Deep socket spanner D) Swivel socket spanner

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

A) Dial test indicator

B) Telescopic gauge

C) Bore dial gauge

D) Vernier gauge

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

A) Slip joint plier

B) Flat nose plier

C) Internal circlip plier

D) Round nose plier

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

A) Pipe wrench

B) Stud wrench

C) Adjustable wrench

D) Torque wrench

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

A) Brass

B) Copper

C) Bronze

D) Aluminium

24. How the screw driver is specified?

A) Width and diameter of the edge

B) Shape and length

C) Length of blade and width of tip

D) Thickness and length

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

A) Leverage motion

B) Spring motion

C) Linear motion into reciprocating motion

D) Linear motion into rotary motion

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

A) 1.0 mm

B) 2 mm

C) 1.5 mm

D) 0.5 mm

27. What is the use of ratchet stop in outside micrometer?

A) Prevent excessive pressure

B) Prevent speed

C) Prevent sliding

D) Prevent load

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

A) Pitch gauge

B) Feeler gauge

C) Telescopic gauge

D) Vernier gauge

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

A) Vernier caliper

B) Inside micrometer

C) Depth micrometer

D) Outside micrometer

30. What is the name of beveled graduated sleeve of outside micrometer?

A) Anvil

B) Barrel

C) Spindle

D) Thimble

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

A) Emission gauge

B) Vacuum gauge

C) Pressure gauge

D) Feeler gauge

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

A) Pitch gauge

B) Telescopic gauge

C) Feeler gauge

D) Vernier gauge

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

A) Straight snip

B) Combination plier

C) Side cutting plier

D) Bend snip