

ENGINEERING MEASUREMENTS

Q. ID: ITISKILL5934XU

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Question Paper

Duration: 60 Mins

Total Marks: 33

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Student Name: _____ Roll No: _____

1. Which refers the size of hexagonal Allen key?

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

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

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

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

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

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

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

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

11. What is the purpose of half round chisel?

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

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

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

12. What is the purpose of angle plate?

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

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

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

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

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

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

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

14. Which one is the indirect measuring instrument?

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

7. What is flaring?

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

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

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

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

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

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

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

9. How the screw driver is specified?

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

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

18. How the hammers are specified?

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

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

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

20. Which screw driver is used in blind space?

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

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

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

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

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

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

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

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

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

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

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

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

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

27. What is the use of ball peen hammer head?

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

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

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

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

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

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

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

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

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

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

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

33. What is the smallest reading of vernier caliper?

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