

Student Name: _____ Roll No: _____

1. Select a suitable instrument for measuring angles?

- A) Vernier height gauge B) Calipers
C) Vernier bevel protractor D) Vernier caliper

2. How many seconds is 1 Degree?

- A) 360000% B) 3600000%
C) 6000% D) 36000%

3. Which method is preferred for producing small length taper with least accuracy?

- A) Form tool method B) Tail stock offset method
C) Taper turning attachment method D) Compound slide method

4. Which material is used for making the head of soldering iron?

- A) Forged steel B) Forged aluminium
C) Forged copper D) Stainless steel

5. How is the 'length of sine bars' specified?

- A) Total length of the sine bar B) Length of the rollers
C) Length of datum surface D) Distance between the centres of the rollers

6. Calculate the least count of V.B.P if 23 div on main scale is divided into 12 scale divisions

- A) 2 minutes B) 5 minutes
C) 3 minutes D) 4 minutes

7. Why the ball centre is preferred in tail stock offset method?

- A) For good surface finish B) For provide power feed
C) For accurate setting D) To avoid damage to the centre drilled hole of the job

8. Which is the smallest unit of angular measurement?

- A) Degree B) Radian
C) Seconds D) Minutes

9. Which part of the combination set is used for measuring the angles?

- A) Protractor head B) Rule

C) Centre head

D) Square head

10. What is the use of a sine bar?

- A) To measure the diameter of the job B) To determine the angle of tapered job
C) To measure the gap D) To measure the length of a taper job

11. Which method is used for turning steep taper?

- A) Form tool B) Offset tail stock
C) Taper turning attachment D) Compound slide swivel

12. Which method of brazing is commonly used to braze of carbide tip on a shank?

- A) Furnace brazing B) Arc brazing
C) Torch brazing D) Induction brazing

13. Which instrument can measure angle upto an accuracy of 5 minutes?

- A) Combination set B) Bevel gauge
C) Angle gauge D) Vernier bevel protractor

14. Which material is used for making nozzle for gas welding?

- A) High carbon steel B) Copper
C) Bronze D) Mild steel

15. Calculate the least count of V.B.P if 23 div on main scale is divided into 12 equal parts

- A) 1 Degree - 50 Degree B) 28 Degree
C) 5 Degree D) 100 Degree

16. What is the purpose of the beveled edges of the rule in a vernier bevel protractor?

- A) Checking 45 Degree and 60 Degree B) Checking squareness
C) Checking flatness D) Checking parallelism

17. What should be the heights of gauge block to be built to check the work angle of 30 Degree using 150 mm sine bar?

- A) 75 B) 145.63
C) 291.26 D) 38.62

18. How to measure the diameter of the small end of a external taper precisely?

- A) Vernier calipers
- B) Screw gauge
- C) Precision roller with slip gauge
- D) Sine bar

19. Which one is the disadvantage of taper turning by compound slide method?

- A) Taper length is limited to the movement of the top slide
- B) Steep taper cannot be produced
- C) Damages the centre drilled holes of the work
- D) Only external taper can be turned

20. Which welding method is more suitable for joining dissimilar metals readily?

- A) Arc welding
- B) Tig welding
- C) Gas welding
- D) Braze welding

21. Which is the welding process, if base metal and filler is melted to form the joint?

- A) By tig welding
- B) By gas welding

C) By braze welding

D) By arc welding

22. Convert 8 Degree 44 minutes into minutes?

- A) 428
- B) 524
- C) 424
- D) 536

23. What is the main disadvantage of a braze welded joints?

- A) It take more time for repairing
- B) Heavy distortion due to heat
- C) The joint not suitable for thicker sections
- D) Dissimilar metals can be joined

24. Which part of the lathe is locked while the form tool method is used for turning taper?

- A) Head stock
- B) Compound rest
- C) Tail stock
- D) Carriage

25. Which part is pivoted to the disc of vernier bevel protractor?

- A) Disc
- B) Stock
- C) Dial
- D) Blade