

Duration: 60 Mins

Total Marks: 24

Q.ID: ITISKILL2219WD

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

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

Answer: B) Distance between the centres of the rollers

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

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

Answer: C) Form tool method

3. 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 length of a taper job
 D) To measure the gap

Answer: B) To determine the angle of tapered job

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

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

Answer: C) Precision roller with slip gauge5. Calculate the amount of off-set if total length of job = 80 mm and $\tan = 5$ Degree 45 minutes?

- A) 8 mm
 B) 10 mm
 C) 7 mm
 D) 12 mm

Answer: A) 8 mm

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

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

Answer: A) Vernier bevel protractor

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

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

Answer: A) To avoid damage to the centre drilled hole of the job

8. Calculate the least count of V.B.P if 23 div on main scale is

divided into 12 scale divisions

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

Answer: D) 4 minutes

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

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

Answer: B) Checking 45 Degree and 60 Degree

10. Convert 8 Degree 44 minutes into minutes?

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

Answer: D) 524

11. How many seconds is 1 Degree?

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

Answer: D) 360000%

12. Which is the smallest unit of angular measurement?

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

Answer: C) Seconds

13. Which one is the disadvantage of using tail stock offset method?

- A) External threads on taper can't produce
 B) Taper length is limited
 C) Only hand feed can be given
 D) Taper turning is possible when work held between centre only

Answer: D) Taper turning is possible when work held between centre only

14. Which is the advantage of taper turning by compound slide method?

- A) Long taper can be produced
 B) Most suitable for duplicate taper work
 C) Thread on taper portion can be produced
 D) Steep taper can be produced

Answer: D) Steep taper can be produced

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

- A) Dial
- C) Disc

- B) Blade
- D) Stock

Answer: A) Dial

16. What is the accuracy of the protractor head of a combination set?

- A) 1 Degree
- C) 1 Degree
- B) 1 Degree
- D) 5 Degree

Answer: A) 1 Degree

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

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

Answer: D) Carriage

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

- A) Rule
- C) Centre head
- B) Protractor head
- D) Square head

Answer: B) Protractor head

19. Select a suitable instrument for measuring angles?

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

Answer: A) Vernier bevel protractor

20. Which method is used for turning steep taper?

- A) Compound slide swivel
- B) Taper turning attachment

- C) Offset tail stock

- D) Form tool

Answer: A) Compound slide swivel

21. 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) 291.26
- C) 75
- B) 145.63
- D) 38.62

Answer: C) 75

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

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

Answer: C) Braze welding

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

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

Answer: A) 5 Degree

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

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

Answer: D) Taper length is limited to the movement of the top slide