

Student Name: _____	Roll No: _____
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1. What is the purpose of the beveled edges of the rule in a vernier bevel protractor?

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

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

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

3. Which is the smallest unit of angular measurement?

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

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

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

5. Select a suitable instrument for measuring angles?

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

6. What is the use of a sine bar?

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

7. 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 |

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

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

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

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

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

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

11. 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) Damages the centre drilled holes of the work |
| C) Only external taper can be turned                        | D) Steep taper cannot be produced               |

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

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

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

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

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

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

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

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

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

- |                           |                            |
|---------------------------|----------------------------|
| A) For provide power feed | B) For good surface finish |
|---------------------------|----------------------------|

- C) To avoid damage to the centre drilled hole of the job  
D) For accurate setting

17. 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) 12 mm  
D) 7 mm

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

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

19. Which method is used for turning steep taper?

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

20. How many seconds is 1 Degree?

- A) 360000%  
B) 36000%

C) 3600000%

D) 6000%

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

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

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

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

23. Convert 8 Degree 44 minutes into minutes?

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

24. 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