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Answer Key

Duration: 90 Mins

Total Marks: 31

Q.ID: ITISKILL2481VM

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

- A) By arc welding B) By braze welding
C) By tig welding D) By gas welding

Answer: A) By arc welding

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

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

Answer: C) Form tool method

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

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

Answer: A) 1 Degree

4. Convert 8 Degree 44 minutes into minutes?

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

Answer: B) 524

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

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

Answer: D) Checking 45 Degree and 60 Degree

6. What is the use of a sine bar?

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

Answer: C) To determine the angle of tapered job

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

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

Answer: B) Steep taper can be produced

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

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

Answer: B) Carriage

9. 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) 38.62 B) 291.26
C) 145.63 D) 75

Answer: D) 75

10. Which method is used for turning steep taper?

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

Answer: D) Compound slide swivel

11. How to measure the diameter of the small end of an external taper precisely?

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

Answer: D) Precision roller with slip gauge

12. 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) 5 Degree
C) 28 Degree D) 100 Degree

Answer: B) 5 Degree

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

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

Answer: D) Dial

14. How is the filler material distributed in the joint in braze welding?

- A) By capillary action B) By fission
C) By fusion D) By splashing

Answer: A) By capillary action

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

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

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

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

Answer: A) Copper

17. How many seconds is 1 Degree?

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

Answer: A) 360000%

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

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

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

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

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

Answer: C) Vernier bevel protractor

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

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

Answer: C) Braze welding

21. What is the isolating medium to prevent rapid cooling after brazing a tipped tool?

- A) Mica powder B) Water
C) Wet sand D) Oil

Answer: A) Mica powder

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

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

Answer: B) The joint not suitable for thicker sections

23. Which method of brazing is commonly used to braze of

carbide tip on a shank?

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

Answer: A) Torch brazing

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

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

Answer: A) Protractor head

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

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

Answer: C) Forged copper

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

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

Answer: C) Distance between the centres of the rollers

27. Select a suitable instrument for measuring angles?

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

Answer: C) Vernier bevel protractor

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

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

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

29. Which is the smallest unit of angular measurement?

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

Answer: A) Seconds

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

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

Answer: D) 4 minutes

31. Calculate the amount of off-set if total length of job = 80 mm and tan = 5 Degree 45 minutes?

- A) 7 mm B) 12 mm

C) 10 mm

D) 8 mm

Answer: D) 8 mm
