

Monthly test

Q. ID: ITISKILL2321WC

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Government ITI MULBAGAL

Question Paper

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Score: 10/25 (40.00%)

Code: 8931

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

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

2. Which is the smallest unit of angular measurement?

- A) Radian
B) Degree (Incorrect)
C) Minutes
D) **Seconds**

3. Select a suitable instrument for measuring angles?

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

4. What is the use of a sine bar?

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

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

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

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

- A) **Forged copper**
B) Forged steel
C) Forged aluminium
D) Stainless steel (Incorrect)

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

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

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

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

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

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

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

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

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

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

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) 100 Degree
C) 28 Degree
D) **5 Degree** (Correct)

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

- A) **1 Degree**
B) 5 Degree (Incorrect)
C) 1 Degree
D) 1 Degree

14. Convert 8 Degree 44 minutes into minutes?

- A) 424
B) 428
C) **524** (Correct)
D) 536

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

- A) **Protractor head**
B) Square head
C) Centre head (Incorrect)
D) Rule

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

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

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

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

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

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

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

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

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

- A) **Braze welding**
B) Arc welding (Incorrect)
C) Tig welding
D) Gas welding

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

- A) **The joint not suitable for thicker sections (Correct)**
B) Dissimilar metals can be joined

C) It take more time for repairing

D) Heavy distortion due to heat

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

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

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

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

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

- A) 10 mm
B) 7 mm (Incorrect)
C) **8 mm**
D) 12 mm

25. 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 (Incorrect)
C) **4 minutes**
D) 2 minutes