

Duration: 30 Mins

Total Marks: 25

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Student Name: _____ Roll No: _____

1. What is the disadvantage of chaser?

- A) To cut V-thread only B) To cut square thread only
 C) To cut trapezoid thread only D) To cut knuckle thread only

2. Which carrier with V-groove provided and used to hold small diameter and square sections?

- A) Straight tail B) Clamp type
 C) Bent tail D) Safety clamp type

3. What is the thread depth of square thread SQ60x9?

- A) 4.5 mm B) 42 mm
 C) 9.0 mm D) 18 mm

4. How the thread are formed in thread rolling?

- A) Plastic deformation B) Milling
 C) Casting D) Grinding

5. Calculate the change gear required to cut 4mm pitch thread in a lathe having lead screw of 4mm (lathe stud gear (driver has 50 teeth)

- A) 25 B) 150
 C) 100 D) 50

6. Which is used to support hollows end jobs?

- A) Female centre B) Tipped centre
 C) Pipe centre D) Ball centre

7. Which method is used for turning steep taper?

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

8. Which method is non metallic threads are produced?

- A) Thread milling B) Thread grinding
 C) Thread chasing D) Thread casting

9. Which is the angle of inclination in the thread to the imaginary perpendicular line?

- A) Helix angle B) Right angle
 C) Obtuse angle D) Acute angle

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

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

11. Calculate the driven gear to cut 2mm pitch on a job using a lathe having lead screw of 4mm pitch with driven gear 50 teeth?

- A) 100 B) 60
 C) 120 D) 50

12. What is the width of the tool to cut a square thread of 60 x 9 mm pitch?

- A) 8.5 mm B) 9 mm
 C) 4.5 mm D) 9.5 mm

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

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

14. 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 accurate setting
 C) For provide power feed D) For good surface finish

15. Which mandrels is NOT used in between lathe centres?

- A) Cone mandrels B) Taper Shank mandrels
 C) Gang mandrels D) Stepped mandrels

16. Calculate the flat width of 10 mm pitch buttress thread?

- A) 2.25 mm B) 4.25 mm
 C) 1.25 mm D) 3.25 mm

17. What is thread element that determine the direction of rotation on screw thread?

- A) Depth of thread B) Hand of thread
 C) Pitch of thread D) Lead of thread

18. What is the core dia of square thread 75 x 11 mm pitch?

- A) 60 mm
- B) 70 mm
- C) 65.8 mm
- D) 64 mm

19. Which is the method to produce accurate internal thread?

- A) Thread chasers
- B) Thread milling
- C) Thread rolling
- D) Using dies

20. How metric chasing dial differ from British chasing dial?

- A) Same as British chasing dial
- B) One worm wheel and different dial
- C) More than one worm wheel and different dial
- D) One worm wheel and one dial

21. Find the gear required to cut 3 mm pitch in a lathe having a lead screw of 6 TPI gear available from 20 to 120 teeth by 5 teeth with a special gear of 127 teeth?

- A) Driver 20 teeth Driven 60 teeth
- B) Driver 90 teeth Driven 127 teeth
- C) Driver 60 teeth Driven 20 teeth
- D) Driver 127 teeth Driven 90 teeth

22. What is the purpose of tail on the lathe carrier?

- A) Protect the operator
- B) Protect the work
- C) Locate and drive the work
- D) Give good finish

23. What is the reason for using dial indicator instead of scriber point in Vernier height gauge?

- A) For accurate measuring
- B) For good appearance
- C) To check eccentricity
- D) For accurate marking

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

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

25. What is the formula used to find flat width of a buttress thread?

- A) Pitch/4
- B) Pitch/8
- C) Pitch/2
- D) Pitch/6