

Student Name: _____ Roll No: _____

1. Which part of the lathe contains the mechanism for moving and controlling the carriage?

- A) Cross slide B) The apron
C) Top slide D) Compound rest

- A) To support an irregular shape job B) To support a shorter job
C) To support a large diameter job D) To support a long job

2. Which tool angle is ground to prevent the tool rubbing from the work in a lathe?

- A) Rake angle B) End cutting edge angle
C) Clearance angle D) Side cutting edge angle

10. Which ways the carriage slides in a lathe?

- A) Tail stock B) Lathe bed
C) Compound rest slide D) Cross slide

3. Which gear is fitted to the main spindle and out side the head stock casting?

- A) Fixed stud gear B) Spindle gear
C) Change gear unit D) Tumbler gear

11. Which machine tool removes the metal from a revolving work piece with a stationery cutting tool?

- A) Lathe B) Shaper
C) Grinding machine D) Milling machine

4. What is part of the lathe provides sideways up on which operating unit can be moved?

- A) Carriage B) Cross slide
C) Lathe bed D) Tail stock

12. What is name of the gear unit of the lathe which consists of three gears, each having same number of teeth?

- A) Spindle gear B) Tumbler gear unit
C) Change gear unit D) Fixed stud gear

5. What set of gears in available in a lathe for the purpose of feed changing as an additional unit?

- A) Spindle gear B) Change gear unit
C) Fixed stud gear D) Tumbler gear unit

13. Which tool angle of lathe are ground on tool controls the geometry of chip formation?

- A) Top or back rake angle B) Clearance angle
C) End cutting angle D) Side cutting edge angle

6. Which gear unit in a lathe is also called as reversing gear unit?

- A) Spindle gear B) Change gear unit
C) Fixed stud gear D) Tumbler gear unit

14. Which mechanism the movement of carriage for screw cutting is actuated?

- A) Tumble gear mechanism B) Spindle gear mechanism
C) Half nut mechanism D) Back gear mechanism

7. Which gear gets the drive from the lathe main spindle gear through the tumbler gear?

- A) Spindle gear B) Fixed stud gear
C) Change gear unit D) Fixed tumbler gear unit

15. Which part of the lathe to hold cutting tools drills, reamers, drill chucks provided with the taper shanks?

- A) Head stock B) Lathe chuck
C) Carriage D) Tail stock

8. Which tool angle in a lathe will weaken the cutting edge in case of increase of angle?

- A) End cutting edge angle B) Side cutting edge angle
C) Clearance angle D) Rake angle

16. Which type of lathe is more suitable for mass production?

- A) Capstan and turret lathe B) Speed lathe
C) Bench lathe D) Centre lathe

9. What is the purpose of steady rest in a lathe?

17. What will be the nose or edge angle of lathe tool?

- A) 50 Degree B) 45 Degree
C) 90 Degree D) 60 Degree

18. Which part of the lathe provided means of supporting the tool rest which holds the cutting tool?

- A) Cross slide
- B) Head stock
- C) Compound rest
- D) Top slide

19. Which tool angle is ground on parting and under cut tools both sides?

- A) Clearance angle
- B) Side relief angle
- C) Side cutting edge angle
- D) Rake angle

20. How much the end cutting edge angle of lathe tools?

- A) 40 Degree
- B) 50 Degree
- C) 30 Degree
- D) 60 Degree

21. Which gear unit the feed chart is fixed on the casting?

- A) Quick change gear box
- B) Tumbler gear unit
- C) Fixed stud gear
- D) Change gear unit

22. Which part of the cone pulley head stock is engaged for reducing the spindle speed?

- A) Tail stock
- B) Back gear unit
- C) Carriage
- D) Cross slide

23. Which unit of feed mechanism of a lathe provides different feed rates can be given to the tool?

- A) Quick change gear box
- B) Apron mechanism
- C) Change gear unit
- D) Tumbler gear unit