

Duration: 60 Mins

Total Marks: 23

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

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

Answer: B) To support a long job

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

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

Answer: B) Change gear unit

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

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

Answer: C) Clearance angle

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

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

Answer: A) Tail stock

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

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

Answer: C) Capstan and turret lathe

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

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

Answer: A) Tumbler gear unit

7. 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) Change gear unit
C) Fixed stud gear D) Tumbler gear unit

Answer: D) Tumbler gear unit

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

- A) Side cutting edge angle B) Rake angle

- C) End cutting edge angle D) Clearance angle

Answer: D) Clearance angle

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

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

Answer: B) Top slide

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

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

Answer: C) The apron

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

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

Answer: D) 90 Degree

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

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

Answer: A) Fixed stud gear

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

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

Answer: C) Half nut mechanism

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

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

Answer: A) Back gear unit

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

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

Answer: C) Quick change gear box

16. Which ways the carriage slides in a lathe?

- A) Tail stock B) Compound rest slide

C) Lathe bed

D) Cross slide

Answer: C) Lathe bed

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

A) Milling machine

B) Grinding machine

C) Lathe

D) Shaper

Answer: C) Lathe

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

A) Top or back rake angle

B) End cutting angle

C) Side cutting edge angle

D) Clearance angle

Answer: A) Top or back rake angle

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

A) 30 Degree

B) 40 Degree

C) 50 Degree

D) 60 Degree

Answer: A) 30 Degree

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

A) Apron mechanism

B) Change gear unit

C) Quick change gear box

D) Tumbler gear unit

Answer: C) Quick change gear box

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

A) Rake angle

B) Clearance angle

C) Side relief angle

D) Side cutting edge angle

Answer: C) Side relief angle

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

A) Tumbler gear

B) Fixed stud gear

C) Change gear unit

D) Spindle gear

Answer: D) Spindle gear

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

A) Tail stock

B) Lathe bed

C) Cross slide

D) Carriage

Answer: B) Lathe bed