

**Chettinad**

College of Engineering & Technology

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.

Department of Mechanical Engineering
ME 8451 MANUFACTURING TECHNOLOGY –II
Unit II - MCQ Bank
II UNIT-TURNING MACHINES- MCQ Bank

1. Which of the following are the models equivalent to Turing machine?

- A. Multi tape turing machine
- B. Multi track turing machine
- C. Register machine
- D. **All of the mentioned**

Answer: (D)

2. In lathe work, when the tool is fed parallel to the rotation of job work, it will produce

- A. **Cylindrical surface**
- B. Spherical surface
- C. Tapered surface
- D. All of the above

Answer: (A)

3. The following type of Lathe is operated through Cams and Cam plate.

- A. Precision Lathe
- B. Crankshaft Lathe
- C. Screw cutting Lathe (Automatic)
- D. **Duplicating Lathe**

Answer: (D)

4. The following part of Lathe serves as housing for the driving pulleys and back gears

- A. **Head stock**
- B. Tail stock
- C. Bed
- D. Carriage

Answer: (A)

5. The following acts as driving shaft in Lathe.

- A. **Countershaft**
- B. Spindle shaft
- C. Lead screw
- D. None of the above

Answer: (A)

6. The Lathe carriage serves the following purpose of the tool

- A. Guiding
- B. Feeding
- C. Supporting
- D. **All of the above**

Answer: (D)

7. The following is also known as Tool rest

- A. Saddle
- B. Cross slide
- C. **Compound rest**
- D. Tool post

Answer: (C)

8. The following is used in Magnetic chucks

- A. Electromagnet
- | B. Permanent magnet
- | C. Both 'A' and 'B'
- | D. None of the above

Answer: (C)

10. Which of the following attachments can be used on Centre lathe?

- A. Grinding
- B. Milling
- C. Copying
- D. **All of the above**

Answer: (D)

11. The following is taper turning method on lathe

- A. Tail stock set-over method
- B. By swivelling the compound rest
- C. Using a broad nose tool
- D. **All of the above**

Answer: (D)

12. External threads can be produced by means of

- A. Taps
- B. Dies
- C. Lathe machine
- D. **All of the above**

Answer: (D)

13. The axial advancement in one rotation of the screwed part is known as ____ of the threads.

A. Pitch

B. Lead

C. Pitch diameter

D. Helix

Answer: (B)

14. In cutting Right hand threads, the spindle and lead screw rotates in the

A. Same direction

B. Opposite direction

C. Same or Opposite direction

D. Spindle rotates but lead screw does not rotate

Answer: (A)

15. In lathe, form tools are used to produce

A. Cylindrical surfaces

B. Tapered surfaces

C. The surfaces which are neither cylindrical nor tapered

D. Threads

Answer: (C)

16. Filing on the machined surface is done to

A. Remove burrs

B. Finish feed marks

C. To make the sharp corners perfectly square

D. All of the above

Answer: (D)

17. An operation performed for enlarging an existing hole up to only a limited length from its one end.

- A. Boring
- B. Drilling
- C. Counter-boring**
- D. Counter-sinking

Answer: (C)

18. A single point cutting tool has (have)

- A. Positive rake
- B. Negative rake
- C. Zero rake
- D. All of the above**

Answer: (D)

19. When the tool face is ground to slope from the nose towards the rear end, it is called

- A. Positive rake**
- B. Negative rake
- C. Zero rake
- D. None of the above

Answer: (A)

20. For machining relatively softer material like Brass, ____ rake is provided

- A. Positive rake
- B. Negative rake
- C. Zero rake**
- D. Any of the above

Answer: ©

21. The greater the _____, stronger is the tool

A. Nose radius

B. Lip angle

C. Clearance angle

D. Side cutting edge angle

Answer: (B)

22. A Turret (square) tool post can accommodate _____ tool(s)

A. One

B. Two

C. Three

D. Four

Answer: (D)

23. In which of the following type of lathe, a square tool post can be provided?

A. Centre

B. Turret

C. Capstan

D. All of the above

Answer: (D)

24. Multiple turning head is mainly used on

A. Centre lathe

B. Turret lathe

C. Capstan lathe

D. All of the above

Answer: (B)

25. In which of the following type of lathe, lead screw is provided for thread cutting?

- A. Centre
- B. Turret
- C. Capstan
- D. All of the above

Answer: (A)