

Unit-3

Milling Machine

1. A milling machine is mainly used for:

- A) Turning operations
- B) Producing flat and contoured surfaces
- C) Drilling only
- D) Grinding only

2. The cutting tool used in a milling machine is called:

- A) Drill
- B) Reamer
- C) Milling Cutter
- D) Tap

3. In milling, the cutter rotates while the workpiece:

- A) Rotates faster
- B) Remains stationary
- C) Is fed against the cutter
- D) Vibrates

4. Which type of milling machine has a spindle parallel to the table surface?

- A) Vertical Milling Machine
- B) Horizontal Milling Machine
- C) Universal Milling Machine
- D) Planer Machine

5. The process of machining a flat surface parallel to the cutter axis is called:

- A) Face Milling
- B) End Milling
- C) Slab Milling
- D) Angular Milling

6. Which milling operation is used to cut gear teeth?

- A) Straddle Milling
- B) Gear Milling
- C) Face Milling
- D) End Milling

7. A dividing head is mainly used for:

- A) Holding coolant
- B) Indexing the workpiece
- C) Measuring speed
- D) Holding cutters

8. In face milling, the cutter axis is:

- A) Parallel to the surface being machined
- B) Perpendicular to the surface being machined
- C) Inclined at 45°
- D) Horizontal only

9. Which of the following is an accessory of a milling machine?

- A) Tailstock
- B) Dividing Head
- C) Tool Post
- D) Chuck Key

10. The universal milling machine differs from a plain milling machine because its table can:

- A) Rotate about a vertical axis
- B) Swivel to an angle
- C) Move only up and down
- D) Hold drills

Fill in the Blanks

1. The cutting tool used in milling is called a _____ cutter.
2. In a milling machine, the workpiece is fed against the rotating _____.
3. The spindle of a horizontal milling machine is _____ to the table surface.
4. Face milling is used to machine _____ surfaces.
5. The operation of cutting gear teeth is called _____ milling.
6. A dividing head is used for _____ the work piece.
7. The machine capable of performing helical milling is a _____ milling machine.
8. End milling cutters have cutting edges on the end and _____.
9. Milling is an _____ cutting operation because the cutter has multiple cutting edges.
10. The work piece is usually clamped on the milling machine _____.