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1. Which machine tool is known as the mother machine tool?

- a) drill
- b) milling
- c) lathe
- d) none of mentioned

View Answer

Answer: c

Explanation: Lathe is known as the mother machine tool because it can perform various type of operations. It is a versatile machine.

2. Lathe is primarily used for producing ____ surfaces.

- a) flat
- b) curve
- c) taper
- d) none of the mentioned

View Answer

Answer: d

Explanation: Lathe is primarily used for producing cylindrical surfaces. But today it can perform various operations and perform various surfaces like curvilinear surface, flat surface and so on.

3. Which type of surface is produced by turning operation in lathe machine?

- a) flat
- b) cylindrical
- c) taper
- d) none of the mentioned

View Answer

Answer: b

Explanation: Cylindrical surface is produced by turning operation in lathe machine. This turning can be done on the external surface. Boring is a type of turning which is performed in the internal surface.

4. What is the necessary condition for turning?

- a) material of work piece should be harder than the cutting tool
- b) cutting tool should be harder than the material of work piece
- c) hardness of the cutting tool and material of of piece should be same
- d) none of the mentioned

View Answer

Answer: b

Explanation: Cutting tool should be harder than the material of work piece, so that it can be able to cut the work piece into the desire shape.

5. Traversing of tool parallel to the axis of job is termed as _____

- a) cross feed

- b) longitudinal feed
- c) both cross feed and traversing feed
- d) none of the mentioned

View Answer

Answer: b

Explanation: It is the definition of longitudinal feed. Similarly, traversing of tool perpendicular to the axis of job is known as cross feed.

8. Which type of feed is needed in facing operation?

- a) longitudinal
- b) cross
- c) both cross and longitudinal
- d) none of the mentioned

View Answer

Answer: b

Explanation: Facing operation is done by the cross feed. In facing, workpiece is rotated against the single point cutting tool.

9. Which type of surface is produced in facing operation?

- a) cylindrical
- b) taper
- c) flat
- d) none of the mentioned

View Answer

Answer: c

Explanation: Flat surface is produced in facing operation as per the definition. In facing operation, metal is removed by the tool from the end of the metal and flat surface is produced.