

- Q.24 Write the advantage of single point cutting tool.
- Q.25 Explain principle of drilling.
- Q.26 Differentiate between single point cutting tool and multipoint cutting tool.
- Q.27 Write the advantages of twist drill (any five).
- Q.28 Explain principle of turning.
- Q.29 Define different types of feeds.
- Q.30 Explain surface grinding.
- Q.31 Write the uses of boring machines (any five).
- Q.32 Explain boring parameters.
- Q.33 Write the advantages of grinding.
- Q.34 Explain central store system.
- Q.35 Differentiate between jigs and fixtures

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain any five cutting operations with neat sketch.
- Q.37 Explain principle parts of a bending machine with the help of neat sketch.
- Q.38 Define milling. What are its different types? Explain.

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SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Milling cutter is a
- Multipoint cutting tool
 - Rotary motion tool
 - Both (a) and (b)
 - None of these
- Q.2 In which operation, motion of job is rotary and motion of cutting tool is forward translating?
- Turning
 - Planning
 - Milling
 - All of these
- Q.3 Which type of job motion is there in drilling operation?
- Rotary
 - Translating
 - Fixed
 - All of these
- Q.4 The cutting edges of a standard twist drill are
- Flutes
 - Lips
 - Flanks
 - None of these

- Q.5 In which type of operation, motion of cutting tool is translating?
- Drilling and milling
 - Milling and turning
 - Boring and drilling
 - Turning and planing
- Q.6 In which type of operation, motion of cutting tool is rotary as well as translating?
- planing
 - Milling
 - Drilling
 - Turning
- Q.7 The process of enlarging a hole is
- Boring
 - Drilling
 - Reaming
 - None of these
- Q.8 Which type of surface is produced by turning operation in lathe machine?
- Flat
 - Cylindrical
 - Taper
 - None of these
- Q.9 Taper turning can be done by
- Swiveling compound rest
 - Taper turning attachment
 - Forming tool
 - All of these
- Q.10 Which machine tool is known as the mother machine tool?
- Drill
 - Milling
 - Lathe
 - All of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define sawing.
- Q.12 Define punching.
- Q.13 Define drilling.
- Q.14 Tool life _____ as the cutting speed increases.
- Q.15 Punching a number of holes in a sheet is known as _____.
- Q.16 Name any one single point cutting tool.
- Q.17 Shearing the sheet into two or more pieces is known as _____.
- Q.18 The taper surfaces are represented by _____.
- Q.19 For drilling on lathe, the drill is held in _____.
- Q.20 Shaper uses _____ point cutting tool.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Name any four cutting tool operations.
- Q.22 Explain center drilling.
- Q.23 Explain various types of cutting tools in lathe.