

- Q.27 Draw a labeled diagram of single point cutting tool. Define any two parts.
- Q.28 Enlist various types of lathe tools. Explain any one with diagram.
- Q.29 Draw a labeled diagram of twist drill. Define any two parts.
- Q.30 Define any four important angles of drill.
- Q.31 How the size and specification of a horizontal boring machine is determined.
- Q.32 Write any five differences between cutting fluid and lubricants.
- Q.33 Enlist the types of cutting fluids. Explain anyone.
- Q.34 Write any four advantages of Jigs.
- Q.35 Name the types of clamping devices. Explain anyone.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the following cutting tool materials:
a) HSS b) HCS
- Q.37 Explain any five drilling operations with suitable diagram.
- Q.38 Enlist lathe accessories. Explain any five of them.

No. of Printed Pages : 4
Roll No.

MSIL-121744/031744

4th Sem / Mech. Engg (MSIL) Subject:- Workshop Technology - II

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Drill is a
a) Multipoint cutting tool
b) single point cutting tool
c) Reciprocating tool
d) none of these
- Q.2 The percentage of Tungsten in 18-4-1 high speed steel is
a) 18% b) 4%
c) 1% d) 0%
- Q.3 The tail stock is called
a) Live Centre b) dead centre
c) tail centre d) outer centre
- Q.4 The process of enlarging hole is
a) drilling b) boring
c) reaming d) facing

- Q.5 The most common material used for drills, taps and reamers is
- Low carbon steel
 - mild steel
 - cast iron
 - high speed steel
- Q.6 Which of the following is semi-solid lubricant?
- Graphite
 - Zinc Oxide
 - Grease
 - Both a & b
- Q.7 With increase in temperature, the viscosity of a lubricant
- increases
 - decreases
 - remain constant
 - All correct
- Q.8 Fixtures are used to
- fix the work piece
 - guide the tool
 - vibrate the work piece
 - Both a & b
- Q.9 The purpose of quick return mechanism is
- To reduce cutting speed
 - Quick setting of job
 - for good finish
 - to reduce idle time in return stroke
- Q.10 The lathe bed is made up of
- Cast iron
 - HSS
 - Mild Steel
 - Brass

SECTION-B

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

- Q.11 Define Cutting speed
- Q.12 Define End Relief Angle
- Q.13 Define Planer
- Q.14 Define Boring Process
- Q.15 Define Reaming process
- Q.16 Define Cutting Fluid
- Q.17 Define Broaching
- Q.18 Define Depth of cut
- Q.19 Define Tail stock
- Q.20 Define side rake angle

SECTION-C

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

- Q.21 Explain the working principle of slotter.
- Q.22 Enlist various operations that can be performed on drilling machine. Explain any one.
- Q.23 Write any four differences between single point and multipoint cutting tool.
- Q.24 Enlist various lathe accessories.
- Q.25 Explain quick return mechanism for shaper machine.
- Q.26 Explain the working principle of broaching process.