

- Q.31 Write five applications of basic measuring instruments. (CO2)
 Q.32 Explain capstan lathe. (CO7)
 Q.33 Describe the function of five parts of lathe. (CO7)
 Q.34 Write any five hand tools and their uses. (CO2)
 Q.35 Describe major processing methods. (CO1)

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
 Q.36 Explain various operations performed on drilling machine. (CO3)
 Q.37 Explain horizontal milling machine with the help of neat sketch. (CO8)
 Q.38 Describe various operations performed on lathe. (CO7)

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**1st Year / Branch : Advance Diploma in Tool
and Die making
Subject:- Workshop Technology-1**

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Reaming operation is related to (CO3)
 a) Finishing b) Threading
 c) Counter boring d) None of these
 Q.2 Which of the following is not a part of shaper (CO6)
 a) Ram b) Tail head
 c) Cross slide d) Clapper box
 Q.3 An operation of reducing the diameter of a work piece over a very narrow surface is known as (CO7)
 a) Knurling b) Facing
 c) Counter boring d) Grooving
 Q.4 Holes are usually enlarged by (CO3)
 a) Boring bars b) Twist drill
 c) Reamers d) None of these
 Q.5 Lathe spindle has (CO7)
 a) Taper threads b) Internal threads
 c) External threads d) None of the these
 Q.6 A machining process for removing excess material from a work piece with a rotating cutter is called (CO8)
 a) Milling b) Forming
 c) Grinding d) None of these

- Q.7 The size of planer is determined by (CO6)
 a) Table size
 b) Height of the table
 c) Size of cross rail
 d) Maximum material that tool can machine in one stroke
- Q.8 Which of the following is an example of non cutting shaping process? (CO2)
 a) Turning b) Forging
 c) Drilling d) Milling
- Q.9 Which of these is not a part of lathe (CO7)
 a) Cross slide b) Carriage
 c) Lead screw d) Arbor
- Q.10 Surface grinding is used to produce (CO4)
 a) Profile surfaces b) Curve surfaces
 c) Flat surfaces d) None of the above

SECTION-B

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

- Q.11 T-bolt clamp is _____ holding device for drilling machine (CO3)
- Q.12 The cutting tool used in a shaping machine is _____ (CO6)
- Q.13 A multi-point cutting tool designed to finish hole to a very close tolerance is known as _____ (CO3)
- Q.14 The tool of a planer remains _____ and the table is _____ (CO6)
- Q.15 Write two accessories of lathe (CO7)

- Q.16 In a shaper _____ stroke is faster than _____ stroke (CO6)
- Q.17 Cutting speed of lathe is expressed in _____ (CO7)
- Q.18 Tool used for _____ operation is called a turning tool. (CO7)
- Q.19 In milling machine cutting tool is mounted on _____ (CO8)
- Q.20 In a slotter, the ram _____ in a vertical plane. (CO6)

SECTION-C

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

- Q.21 Define cutting speed, feed and depth of cut in reference to drilling machine. (CO3)
- Q.22 Write five accessories of drilling machine. (CO3)
- Q.23 Explain the working principle and function of planer. (CO6)
- Q.24 Name different parts of shaper and explain them briefly. (CO6)
- Q.25 Write a short note on Band saw operation. (CO5)
- Q.26 Explain dressing of grinding wheel. (CO4)
- Q.27 Write any five safety precautions during milling operation. (CO8)
- Q.28 Explain briefly welding and brazing. (CO2)
- Q.29 Explain briefly any five milling operations. (CO8)
- Q.30 Explain briefly five work holding devices on lathe. (CO7)