

Unit-1

Part-A(Short Answer Questions)					
S No	Question	BT	CO	PO	
1	Define lathe and types of operation?	L1	CO1	1,3,9	
2	Discuss the variables affecting tool life?	L1	CO1	1,3,9	
3	When are magnetic chucks used for lathe operations?	L1	CO1	1,3,9	
4	Define taper. How is the amount of taper expressed?	L1	CO1	1,3,9	
5	What is meant by eight tool layout of turret lathe?	L1	CO1	1,3,9	
6	What do you mean by back back gear in lathe?	L2	CO1	1,3,9	
7	Why lathe beds are made of cast iron? Explain.	L1	CO1	1,3,9	
8	With neat figure explain the tool elements and tool angles for single point tool?	L1	CO1	1,3,9	
9	What are advantages of lathe machine?	L2	CO1	1,3,9	
10	What factors influence the life of a cutting?	L2	CO1	1,3,9	
Part-B (Long Answer Questions)					
11	a)	Define cutting speed and depth of cut with respect to turning process also state units of measurement?	L2	CO1	1,3,9
	b)	Differentiated between capstan lathe and turret lathe?	L3	CO1	1,3,9
12		What is the working principle lathe machines and their applications?	L2	CO1	1,3,9
13	a)	What is the geometry single point tool and its advantages?	L2	CO1	1,3,9
	b)	Different of types of lathes and specification?	L2	CO1	1,3,9
14		What are the various types of automatic lathe? Explain their differences and applications ?	L3	CO1	1,3,9
	a)	Explain about different of chips breakers with neat diagram?	L3	CO1	1,3,9
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