DHABALESWAR INSTITUTE OF POLYTECHNIC

		JRING TECHNOLOGY (TH-2) ANDEEP MOHAPATRA		
Mame of MONTH	CHAPTER /TOPIC	COURSE TO BE COVERED	CLASSES	REMARKS (IF ANY)
	Chapter-1	Tool Materials:	4	
	1.1	Composition of various tool materials	2	
	1.1	Physical properties& uses of such tool materials.	2	y .
	Chapter -2	The state of the s	6	
	2.1	Cutting Tools. Cutting action of various and tools such as Chisel, hacksaw blade.	-	
	2-1	dies and reamer	2	
the state of the s	2.2	Turning tool geometry and purpose of tool angle	3	
	2.3	Machining process parameters (Speed, feed and depth of cut)	1	
	2.4	Coolants and lubricants in machining and purpose	1	
-	Chapter-3	Lathe Machine:	8	
and the state of t	3.1	Construction and working of lathe and CNC lathe		The Property of the Control
Particul (1988 Particular) and a security of the Jan Kel		 Major components of a lathe and their function Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling) Safety measures during machining 	2	
The Superior	3.2	Capstan lathe	S. C.	
THE HELD SERVED SERVED STATES OF THE SERVED		 Difference with respect to engine lathe Major components and their function Define multiple tool holders 	2	
dy abel herry agricultural application of the property of the state of	3.3	Turret Lathe • Difference with respect to capstan lathe • Major components and their function	Z Z	entachantentanten dentatura Sellan entachantentan entachantentachantentan entachantentan entacha
- Property and the second	3.4	Draw the tooling layout for preparation of a hexagonal bolt &bush	2	and the second s
Ch	apter-4	Shaper:	6	e de de la companya d
	4.1	Potential application areas of a shaper machine	1	W to 1,000 t
The second second	4.2	Major components and their function	1	and on the second
The Control of the Co	4.3	Explain the automatic able feed mechanism	1	All and the second of the seco
	4.4	Explain the construction &working of tool head	1	NO.
	4.5	Explain the quick return mechanism through sketch	1	10 N
	4.6	State the specification of a shaping machine.	1	Robert Accounting

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A STATE OF THE PARTY OF THE PAR	Chapter-5	This water Machinet	6	-		
-	3.1	Application area of a planer and its difference with respect to shaper	1			
ne priming the contract of the con-	3.2	Major components and their functions	1			
The same of the same of the same of	5.3	The table drive mechanism	2			
er in money date in the second state of the	5,4	Working of tool and tool support	1			
puriodistriples de co	5.5	Clamping of work through sketch.	1	ootsis kuninga samaa		
والمداد الإرابية والمدادة المأراد طراباد	A STATE OF THE PARTY OF THE PAR	Milling Machine:	08	County for the same the publishment in Line of		
and the second second	Chapter-6	Types of milling machine and operations performed by them and	1	Control of the Contro		
	6.1	also same for CNC milling machine	No. of the last of	-		
man and the second of the seco	6.2	Explain work holding attachment	1			
and the state of t	6.3	Construction & working of simple dividing head, universal dividing head	2			
a resistante de primeti a primeti a primeti	6.4	Procedure of simple and compound indexing	2			
	6.5	Illustration of different indexing methods	2			
	Chapter-7	Slotter	6			
	7.1	Major components and their function	2			
	7.2	Construction and working of slotter machine	2			
	7.3	Tools used in slotter	2			
	Chapter-8	Grinding	6			
1. 1.	8.1	Significance of grinding operations	1			
	8.2	Manufacturing of grinding wheels	2			
	8.3	Criteria for selecting of grinding wheels	1	-		
	8.4	Specification of grinding wheels with example Working of Cylindrical Grinder Surface Grinder Centreless Grinder	2			
	Chapter-9	Internal Machining operations	6			
	0.1	Classification of drilling machines				
	9.1	Working of				
		Working of • Bench drilling machine				
		Pillar drilling machine	2			
				2		
		Radial drilling machine				

9.2 • Basic Principle of Boring • Different between Boring and drilling	2	
9.3 Broaching Types of Broaching(pull type, push type)	2	
Advantages of Broaching and applications Surface finish, lapping	4	-
Chapter-10 Surface finish, Japping	2 2	

SANDEP MOHAPATRA LECT. MECHANICAL ENGINEERING