Exam.Code: 0940 Sub. Code: 7050

1059

B.E. (Mechanical Engineering) Fourth Semester MEC-405: Manufacturing Technology – I

Max. Marks: 50

Let Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

I.	Atter	npt the following:-		
	a	Differentiate orthogonal and oblique metal cutting.		
	b	Draw the nomenclature of single point tool.		
	C			
		What is indexing?		
		What is bar feed mechanism? Name different types of grinding machines.		
		사용하게 보고 그렇게 되어 있다. 그는 사용이 있는 수 없는 사용이 가입니다. 이 사용이 되었다면 보고 있다면 이 사용이 되었다면 보고 있다면 하는데 되었다면 하게 되었다면 하다. 그는 사용이 되었다면 하다면 하다면 하다면 하다면 하다면 하다면 하다면 하다면 하다면 하		
		" 1 hima tool		
		n) Draw the nomenclature broaching tool) What is shell mill?		
) Name various threads.	(10x1)	
	24	<u>UNIT – I</u>		
Π.	a)	Explain the mechanism of chip formation and determine the shear angle	· Kelebar	
		Discuss the effect of operating parameters on tool life	(5,5)	
	(b)	Discuss the effect of operating parameters of the		
11	a)	Discuss the various special attachments of lathe with neat sketch.		
0.			(5,5)	
	b)	Explain the construction and working of capstan lathe.		
.,	- 1	Explain the slotting machine quick return mechanism with neat sketch.		
V.	a)	explain the slotting interest of the state o	(5,5)	
	b)	Discuss the effect of indexing mechanism in milling with neat sketch.		
		<u>UNIT – II</u>		
		Explain the construction and working principle of cylindrical grinding r	nachine.	
V.	a)			
	b)	Explain the various factors affecting selection of grinding wheel.	(5,5)	
VI.	a)	Explain different boring heads.		
			(5,5)	
	b)	Explain broaching operations and applications.		
MI.	a)	a) Explain the processes of making threads using thread milling with neat sketch		
11.	1)	Explain the construction and working principle of automatic screw mach	nine. (5,5)	
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