Sem III (Choice based)

PROD -I

20+20+20+03+10

Q. P. Code: 22849

Duration: 3 hours

N.B.	(1)	Question No. ONE is compulsory. Max. Marks: 8	0.
	(2)	Attempt any THREE Questions from remaining Days	37
	(3)	TE TOWN WILL SKEILL WHEFEVAR BORRER	- 5
/	(4)	All questions carry equal marks.	1
01			
V 1.	(0)	Explain in brief:-	4.
	(a)	Classification of manufacturing processes and machine tools.	20.
	(b)	of single point coming tool	27.1
	(c)	beep note drilling.	
	(d)	Gear finishing processes.	
Q2.	(a)	Explain with a second of the s	13
		Explain with a neat sketch the gear hobbing process for spur and helical gear production.	10
	(b)	Explain trueing, dressing, shaping and balancing of grinding wheels.	
03	(-)		10
Q3.	(a)	Describe how shapers are classified?	
	(b)	Briefly, explain the process of thread rolling with its advantages, limitations and applications.	10
		applications.	10
Q4.	(a)	Briefly days 3	
×	(b)	Briefly describe various types of milling machines.	10
,	(0)	Briefly explain different types of surface grinding machines.	10
06	(0)		10
ψο.	(a)	Define the term 'cutting speed' and 'feed,' as applied to milling operations. How	10
		do you calculate the cutting speed of a milling cutter? Also explain how to	10
	(1-)	estimate the machining time required in milling operations.	
	(b)	Explain various methods of turning a taper on a lathe.	-
06	(-)		10
Q6.	(a)	Enlist various advantages, limitations and applications of broaching.	
	(b)	Describe various types of lathes.	10
在30 /85000	- 2	(14일 B) : # (14일 B) : (14일 B)	10