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841

B. Tech. EXAMINATION, May 2018

(Eighth Semester)

(Old Scheme) (Re-appear Only)

(ME)

ME438

FLEXIBLE MANUFACTURING SYSTEM

Time: 3 Hours [Maximum Marks: 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt any *Five* questions. All questions carry equal marks.

(a) Differentiate among various automation strategies.

(3-45/10)M-841 P.T.O.

M-8	841	2		(3-4	5/11) M .	-841 3 190
		Robot using neat sketch.	10			
	(b)	Descrive various components of Indus	trial			
		driving systems.	10			
5.	(a)	Define robot. Classify its motives	and			
	oper	ation of a FMS ?	20			
	will	you control data file, system reports	and			
4.	Whe	ere will you apply FMS technology? F	low		(c)	FMS wortk station.
			10		(b)	Machine cell design
	(b)	Write short note on group technolog			(a)	Detroit-type automation
	(1.)	XX : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8.		te short notes on the following: 7,7,6
3.	(a)	How will you design a machine cell	1 ? 10			
1	(b)	Write short note on part feeding device	10		` /	What are various technical features of an industrial robot ? 10
					(1.)	inspection operation using robot? 10
			ces.	7.	(a)	How will you process an assembly and
		machine ?	10			and work cen condor.
_,	()	operation of a single-station assem		(b)	Write short note on off-line programming and work cell control. 10	
2.	(a)	How will you control and anal	lvse		(1.)	10
		operation ?	10			programming and motion programming.
	(b)	How will you automate a manufacture	ring	6.	(a)	Differentiate between Lead through