B.Tech. MECHANICAL ENGINEERING (COMPUTER INTEGRATED MANUFACTURING)

UU342 Term-End Examination June, 2018

BME-023 : ADVANCED MANUFACTURING TECHNOLOGY

Tin	ne : 3 hours	Maximum Marks : 70			
No:	te : Attempt any seven question equal marks.	ns. All questions co	ırry		
1.	What is net shape manufacturi advantages of net shape manuf				
	the methods of net shape manu	facturing.	10		
2.	Explain any two micro-fabricat	ion processes.	10		
3.	What is hybrid manufacturing process of Hybrid Plasma Depo (HPDM) by giving flow chart.	-	10		
4.	What is sequential engineeri weaknesses of sequential engin		10		
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Э.	Brief	tly	explain	the	term	Design	For	
	Man	ufact	uring	(DFM)	. I	Discuss	DFM	
	impl	emer	ntation gu	idelines	•			10
6.	Explain the working of Selective Laser Sintering (SLS) with the help of a diagram.							
7.	What are direct and indirect methods of rapid tooling production? Explain by giving example of each.							10
8.	What are contact and non-contact techniques of data capture in reverse engineering? Explain by giving an example of each.							10
9.	Write (a) (b)	TCI	ort notes o P/IP Proto nt-Based	col				10
10.	Descr	ribe i	integrated	l e-man	ufactu	ring syste	m.	10

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