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+	Reg. No.:
Ques	stion Paper Code: 80901
M.E./M.Tec	h. DEGREE EXAMINATIONS, APRIL/MAY 2023.
The months	Elective
	Manufacturing Engineering
MF 501	2 – COMPUTER AIDED PRODUCT DESIGN
	(Regulations 2017)
Time: Three hours	Maximum : 100 mark
	Answer ALL questions.
	PART A — (10 × 2 = 20 marks)
1. Define the term c	concurrent engineering.
2. Mention (any two	o) software used for drafting.
	een wire-frame from surface models. cological items / primitives of boundary representation.
5. What is meant by	y function tree?
6. Mention the factor	ors in manufacturing planning.
7. Define the Altshu	uller's TRIZ principle of segmentation with example.
8. What is meant by	y product metrics?
9. Write the objective	ves of QFD.
10. What is meant by	y design for product life cycle?
	PART B — (5 × 13 = 65 marks)
11. (a) Explain the	e various phases of systematic design with suitable examples. Or
(b) Discuss the design with	ne computer hardware and peripherals used in engineering hardware.

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