M.Tech. 2nd Semester Mechanical Engg. (Machine Design) Examination, May-2017

PRINCIPLES OF MACHINE DESIGN

Paper-M-806-A

1 ime	allowea: 3 nours	[Waximum marks . 100
Note	: Attempt any five quest equal marks.	ions. All questions carry
1.	Discuss the design process	and role of designer in the
	designing of a product.	20
2.	Discuss the role of informat	ion in designing the product
	and discuss the various type	es of information. 20
3. Explain the role of creativity		ty as means to synthesis of
	alternatives.	20
4.	Discuss the product life	cycle from production to
	consuption and disposal.	20
5.	Discuss how the visualizati	on and synthesis is done for
		the characteristics of a good
	model.	20
6.	Explain the steps followe	d in the design of modular
	<u>-</u>	w the quality and cost is

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controlled for the same.

- 7. Discuss the role of a report and discuss the steps followed in preparing and presenting the report. What is the quality of good report?
- **8.** Write short note on following:
 - (a) Preliminary design
 - (b) Characteristics of good design
 - (c) Oral vs. written communication.

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