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Courses » Rapid Manufacturing

Announcements

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Unit 5 - Week 03

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Course outline

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Week 03

- Lectures 7, Design for Modularity (Manufacturing), Dr. Janakarajan Ramkumar
- Lectures 8, Design for Modularity (Assembly; Part 1 of 2), Dr. Janakarajan Ramkumar
- Lectures 9, Design for Modularity (Assembly; Part 2 of 2), Dr. Janakarajan Ramkumar
- Lectures 10, Design for Modularity, Dr. Janakarajan Ramkumar

Assignment 03

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-20, 23:59 IST.**

1) State the following statement as true or false. **1 point**

“Design for Modularity can be advantageous in many ways like reduction in cost, flexibility in design, augmentation, and exclusion.”

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

2) Which type of design approach is predominantly followed in the following example: **1 point**

“Nowadays, the kitchens in the home are made segmental.”

- Design for Modularity
- Design for Manufacturing
- Design for Disassembly
- Design for Environment

No, the answer is incorrect.

Score: 0

Accepted Answers:

Design for Modularity

3) The process of proactively designing products to optimize all the production functions is called as: **1 point**

- Design for Modularity
- Design for Assembly
- Design for Manufacturing

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Assignment 03	4) Which of the following addresses the need to design a product for safety?	1 point
Week 04	<input type="radio"/> Soft-Hard Review	
Week 05	<input type="radio"/> Effect Analysis	
Week 06	<input type="radio"/> Experimental design	
Week 07	<input type="radio"/> None of these	
Week 08	No, the answer is incorrect.	
Week 09	Score: 0	
Week 10	Accepted Answers:	
Week 11	<i>Soft-Hard Review</i>	
Week 12	5) _____ seeks to simplify the product so that the cost of assembly is reduced.	1 point
DOWNLOAD VIDEOS	<input type="radio"/> Design for Manufacturing	
Interaction Session	<input type="radio"/> Design for Assembly	
	<input type="radio"/> Design for Modularity	
	<input type="radio"/> None of these	
	No, the answer is incorrect.	
	Score: 0	
	Accepted Answers:	
	<i>Design for Assembly</i>	
	6) Which of the following assembly processes uses synchronous indexing machines?	1 point
	<input type="radio"/> Manual assembly	
	<input type="radio"/> Automatic assembly	
	<input type="radio"/> Robotic assembly	
	<input type="radio"/> None of these	
	No, the answer is incorrect.	
	Score: 0	
	Accepted Answers:	
	<i>Automatic assembly</i>	
	7) Which of the following disassembly sequence planning type follow target disassembly sequence?	1 point
	<input type="radio"/> Type III	
	<input type="radio"/> Type II	
	<input type="radio"/> Type I	
	<input type="radio"/> None of these	
	No, the answer is incorrect.	
	Score: 0	
	Accepted Answers:	
	<i>Type I</i>	
	8) A design that can be used to develop complex products using similar design is called as:	1 point
	<input type="radio"/> Modular design	
	<input type="radio"/> Flexible design	
	<input type="radio"/> Detachable design	
	<input type="radio"/> None of these	

No, the answer is incorrect.

Score: 0

Accepted Answers:

Modular design

9) Which of the following phases comes after Decomposition Analysis Phase in Design for Modularity? **1 point**

- Product Analysis
- Process Analysis
- Design Analysis
- None of these



No, the answer is incorrect.

Score: 0

Accepted Answers:

Product Analysis

10) Each component designed for modularity is supposed to support at least _____. **1 point**

- 1 function
- 2 functions
- 3 functions
- 4 functions



No, the answer is incorrect.

Score: 0

Accepted Answers:

1 function

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