

## Unit 8 - Week 6

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## Assignment 6

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-10-28, 23:59 IST.**

- 1) The product designer satisfies customer requirement by 1 point
- Ignoring them  
 Turning it into a function  
 Placing constraints  
 Log it as complaint
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Turning it into a function*  
*Placing constraints*
- 2) The functional decomposition of a product can be done by 1 point
- Concept generation  
 Constraints generation  
 Functional analysis  
 Enlisting design standards
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Functional analysis*
- 3) \_\_\_\_\_ is a statement of reproducible relationship between the available input and desired output 1 point
- Product specification  
 Functional common basis  
 Function trees  
 Product function
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Product function*
- 4) A bottom up approach is adopted in developing function trees for the \_\_\_\_\_ method. 1 point
- Six sigma design  
 Subtract and operate  
 Function structure  
 Function analysis system technique
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Subtract and operate*
- 5) What are the functions identified by asking 'HOW' and 'WHY' in the FAST method? 1 point
- Basic function  
 Product functional concept  
 Secondary function  
 Sub function  
 Product design function
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Basic function*  
*Secondary function*  
*Sub function*
- 6) In any electrical system, conversion of energy results in the generation of heat. This is a \_\_\_\_\_ and needs minimization. 1 point
- Basic function  
 Unwanted function  
 Project objective  
 Assumed function
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Unwanted function*
- 7) The terminal/end of a function tree is a 1 point
- Sub function  
 Secondary function  
 Sub function which cannot be decomposed further  
 Basic function
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Sub function which cannot be decomposed further*
- 8) The systematic process of transforming customer needs to a clear specification of the functional requirements of the product is called the \_\_\_\_\_. 1 point
- Constraint  
 Need analysis  
 Concept generation  
 Functional decomposition
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Functional decomposition*
- 9) By definition of product function, which of the following are correct definitions: 1 point
- Generate torque  
 Bright light  
 Rotate blade  
 Table fan  
 Shiny finish
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Generate torque*  
*Rotate blade*
- 10) The functional analysis system technique is used to 1 point
- Analyse interrelationship between functions  
 Understand product functions  
 Analyse concepts generation technique  
 Define product functions  
 Prioritize functions that add to product value
- No, the answer is incorrect.**  
Score: 0  
Accepted Answers:  
*Analyse interrelationship between functions*  
*Understand product functions*  
*Define product functions*  
*Prioritize functions that add to product value*