

## Unit 7 - Week 5

Course outline
How does an NPTEL online course work?
Week 0
Week 1
Week 2
Week 3
Week 4
Week 5
<input type="radio"/> Need - Metric Matrix <input type="radio"/> Establishing Target Specifications <input type="radio"/> HoQ <input type="radio"/> Laboratory Exercise - 4 <input type="radio"/> Lecture materials <input type="radio"/> Assignment 5B <input checked="" type="radio"/> Quiz : Assignment 5A
<input type="radio"/> Functional and Conceptual Design : Week 5 Feedback Form
Week 6
Week 7
Week 8
Week 9
Week 10
Week 11
Week 12
Download Videos
Text Transcripts

## Assignment 5A

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

**Due on 2020-10-21, 23:59 IST.**

1) The working assumptions for preparing the list of metrics are (more than one answer) 1 point

- Customer needs can be translated to precise and measurable specifications
- Customer needs cannot be translated to precise and measurable specifications
- Meeting the specifications satisfy customer needs
- Customer needs cannot be satisfied
- Customers always expect more than measured specifications

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Customer needs can be translated to precise and measurable specifications*  
*Meeting the specifications satisfy customer needs*

2) To determine the priorities for design and to achieve design goals, one should (more than one answer) 1 point

- Find interrelationships between strongly satisfied customer needs
- Find weakly satisfied customer needs
- Find strongly satisfied customer needs
- Find interrelationships between weakly satisfied customer needs
- Determining the product changes to improve needs

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Find weakly satisfied customer needs*  
*Find interrelationships between weakly satisfied customer needs*  
*Determining the product changes to improve needs*

3) For every customer need, one has to identify \_\_\_\_\_ and \_\_\_\_\_ for conversion into design specification 1 point

- Value, quality
- Quantity, need
- Metric, value
- Design, need
- Value, design

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Metric, value*

4) Need metrics should comply with which of the following criteria (more than one answer) 1 point

- Be incomplete
- Be practical
- Consider subjective metrics
- Not be independent variables
- Not include popular criteria for comparison

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Be practical*  
*Consider subjective metrics*  
*Not be independent variables*

5) Target specifications for a particular metric can be obtained by analysing the current rival product with which customers are satisfied. This type of benchmarking is called as \_\_\_\_\_ 1 point

- Survey benchmarking
- Competitive benchmarking
- Target benchmarking
- Product benchmarking

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Competitive benchmarking*

6) The process of transforming the voice of customers into engineering characteristics of a product or service and prioritizing each characteristic by simultaneously settling targets is called \_\_\_\_\_. 1 point

- Need Metrics matrix
- Benchmarking
- Quality function deployment
- Technical questioning

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Quality function deployment*

7) In House of quality procedure, every need should have \_\_\_\_\_ metric to be present in the chart. 1 point

- Utmost one
- Atleast three
- Atleast one
- One

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Atleast one*

8) House of quality is used in Quality function deployment as (more than one answer) 1 point

- Summary statement of product specifications
- Survey of all needs and logistics
- Data of benchmarks
- Data of target values
- Data of technical difficulties

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Summary statement of product specifications*  
*Data of benchmarks*  
*Data of target values*  
*Data of technical difficulties*

9) Which of the following is not a part of the quality function deployment procedure 1 point

- Identifying customer needs
- Determining relative importance of customer needs
- Establishing market specifications
- Performing competitive bench marking
- Translating customer needs into measurable engineering

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Establishing market specifications*

10) Target specifications doesn't include (more than one answer) 1 point

- Collecting benchmarking information
- Preparing list of metrics
- Reflecting on results
- Setting up an impermissible target values
- Identifying marketing strategies

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Setting up an impermissible target values*  
*Identifying marketing strategies*