

## Unit 13 - Week 11

## Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Logical Method- TRIZ

Concept Selection

Laboratory Exercise - 10

Sample Material for 11B

Quiz : Assignment 11A

Assignment 11B

Functional and Conceptual Design : Week 11 Feedback Form

Week 12

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## Assignment 11A

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

**Due on 2020-12-02, 23:59 IST.**

1) In the 6-3-5 method, the number '3' designate 1 point

- Number of sheets  
 Number of minutes  
 Team members  
 Number of Ideas for primary product function

No, the answer is incorrect.

Score: 0

Accepted Answers:

Number of Ideas for primary product function

2) The process of gallery method 1 point

- Introduction -> Idea generation step-1 -> Idea generation step-2 -> Association step -> Selection step  
 Introduction -> Idea generation step-1 -> Idea generation step-2 -> Selection step -> Association step  
 Introduction -> Idea generation step-1 -> Association step -> Idea generation step-2 -> Selection step  
 Idea generation step-1 -> Idea generation step-2 -> Selection step -> Association step

No, the answer is incorrect.

Score: 0

Accepted Answers:

Introduction -> Idea generation step-1 -> Association step -> Idea generation step-2 -> Selection step

3) TRIZ methodology involves 1 point

- Solving contradictions  
 Understanding the problem as a system  
 Recording modular parameters  
 Considering entire category of solutions

No, the answer is incorrect.

Score: 0

Accepted Answers:

Solving contradictions  
Understanding the problem as a system

4) In the gallery method, the association step deals with the 1 point

- Writing down concepts  
 Identification of improved proposals through reappraisal  
 Creating sketches of concepts  
 Redevelop ideas based on comments

No, the answer is incorrect.

Score: 0

Accepted Answers:

Identification of improved proposals through reappraisal

5) Genrich S. Altshuller, the Russian genius found that there \_\_\_ contradicting engineering parameters and \_\_\_ inventive principles that can be used to solve them. 1 point

- 80, 40  
 40, 40  
 39, 80  
 39, 40

No, the answer is incorrect.

Score: 0

Accepted Answers:

39, 40

6) The problem of "choosing the inventive principles for solving specific problems" is addressed by 1 point

- Product function  
 Product matrix  
 Contradiction matrix  
 Architecture matrix

No, the answer is incorrect.

Score: 0

Accepted Answers:

Contradiction matrix

7) The concept selection process involves 1 point

- Concept generation  
 Concept screening  
 Concept testing  
 Concept ranking

No, the answer is incorrect.

Score: 0

Accepted Answers:

Concept screening  
Concept ranking

8) When large number of ideas is dealt within the concept selection process, \_\_\_\_\_ helps in narrowing down the number of concepts quickly and improves the concepts 1 point

- Concept testing  
 Concept scoring  
 Concept ranking  
 Concept screening

No, the answer is incorrect.

Score: 0

Accepted Answers:

Concept screening

9) Identify the idea generating question that is similar to 'Streamline?' 1 point

- Combine?  
 Reverse?  
 Eliminate?  
 Substitute?

No, the answer is incorrect.

Score: 0

Accepted Answers:

Eliminate?

10) What is the English acronym for the Russian methodology TRIZ? 1 point

- TRIS  
 TIPS  
 TIPZ  
 TIZZ

No, the answer is incorrect.

Score: 0

Accepted Answers:

TIPS