

## Unit 14 - Week 12

### Course outline

How does an NPTEL online course work?

Week 0

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Week 2

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Week 12

Lecture 59 : Design for Six Sigma (DFSS): DMADV, DMADOV

Lecture 60 : Design for Six Sigma (DFSS): DFX

Lecture 61 : Team Management

Lecture 62 : Six Sigma: Case study

Lecture 63 : Six Sigma: Summary of key concepts

Quiz : Assignment 12

Week 12 Feedback Form

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[Assignment Detailed Solution](#)

[Text Transcripts](#)

## Assignment 12

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

**Due on 2020-04-22, 23:59 IST.**

1) Evaluating the performance of a process comes under

1 point

- a) Measure the opportunity phase of DMADOV
- b) Optimize phase of DMADOV
- c) Design phase of DMADOV
- d) Analyse phase of DMADOV

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

b)

2) House of quality comes under-

1 point

- a) Design phase
- b) Measure phase
- c) Analyse phase
- d) Improve phase

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)

3) Fault tree analysis is the part of-

1 point

- a) Design for maintainability
- b) Design for reliability
- c) Design for serviceability
- d) Design for robustness

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

b)

4) Design must accommodate increased variation in the input while still producing the required output within defined specifications comes under-

1 point

- a) Design for maintainability
- b) Design for reliability
- c) Design for robustness
- d) Design for serviceability

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

c)

5) A passenger car owner faces frequent breaking of ball bearing. The problem is associated with -

1 point

- a) Design for reliability
- b) Design for robustness
- c) Design for serviceability
- d) None of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)

6) DMAIC is applied in-

1 point

- a) Designing the new processes
- b) Improving the existing processes

- a)  
 b)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

b)

7) Surveys and data collection come under-

1 point

- a) Measure phase of DMADOV
- b) Define phase of DMADOV
- c) Optimize phase of DMADOV
- d) None of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)

8) In self-managed teams, the benefits to the employees are-

1 point

- a) Higher job satisfaction
- b) Lower turnover
- c) Increased productivity
- d) All of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)

9) Which one is not the role of a team coach?

1 point

- a) Selecting objectives and scope
- b) Working with the team leader and the facilitator
- c) Move the team towards its objectives
- d) All of these are the roles of a team coach

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)

10) Maintaining and publishing the meeting minutes is the responsibility of

1 point

- a) Team members
- b) Team coach
- c) Scribe/Recorder
- d) All of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

c)

11) In which of the team development stage members try to define their roles

1 point

- a) Forming
- b) Storming
- c) Norming
- d) None of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

b)

12) Which of the following are not the team obstacles?

1 point

- a) Dominance of a person
- b) Accepting opinions without data
- c) Floundering
- d) All of these are the team obstacles

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

d)

13) Ranking the customer needs belongs to

1 point

- a) Define phase of DMADOV
- b) Optimize phase of DMADOV
- c) Measure phase of DMADOV
- d) None of these

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

c)

14) Redesign is the task carried out in

1 point

- a) Optimize phase of DMADOV
- b) Define phase of DMADOV
- c) Measure phase of DMADOV
- d) Verify phase of DMADOV

- a)  
 b)  
 c)  
 d)

No, the answer is incorrect.  
Score: 0

Accepted Answers:

a)