

# Unit 4 - Week 2

## Course outline

How does an NPTEL online course work?

Week - 0

Week 1

Week 2

● Lecture 6: Management of Quality-I

● Lecture 7: Management of Quality-I

○ Lecture 8: Management of Quality-I

● Lecture 9: Management of Quality-I

● Lecture 10: Management of Quality-I

● Week 2 : Lecture Material

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Week 3

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## Assignment 2

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

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

1) A raw material is to be processed for changing its shape and size. The operations related to processing the raw materials are considered

2 points

- a. cost-adding
- b. value adding
- c. loss to the society
- d. none of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

b. value adding

2) The specifications of a product are indicative of

2 points

- a. the basis of rejection of the product
- b. quality loss of the product
- c. quality improvement
- d. all of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. the basis of rejection of the product

3) The 'unit-to-unit' variation in products or systems is unavoidable. This is due to

2 points

- a. humidity at the workplace
- b. temperature at the work place
- c. internal noise
- d. all of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. internal noise

4) The 'system design' is the first step in the Taguchi Method. The main purpose of system design is

2 points

- a. to maximize product performance
- b. to determine tolerances of relevant quality characteristics
- c. to suggest narrow or tight tolerance to identify control parameters
- d. to apply engineering and design principles as applicable

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. to apply engineering and design principles as applicable

5) CWQM is viewed as a management discipline the main purpose of which is

2 points

- a. product quality improvement
- b. process quality improvement
- c. system performance improvement
- d. all of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. all of the above

6) TQM is based on certain principles. The main principle involved in TQM is related to:

2 points

- a. team work building
- b. organizational environment
- c. continuous improvement
- d. customer focus

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. continuous improvement

7) Quality principles are relevant at all stages of product development. Application of these principles would result in

2 points

- a. better product
- b. better process
- c. better manufacturing
- d. All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. All of the above

8) The traditional loss function, compared with Taguchi loss function, is based on the concept of

2 points

- a. high loss beyond specification range only
- b. high loss within the specification range
- c. no loss within specification range
- d. None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. high loss beyond specification range only

9) The 'Zero Defects' (ZD) programme primarily focuses on

2 points

- a. elimination of human errors
- b. improvement in product technology
- c. improvement in process performance
- d. overall product design and development

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. elimination of human errors

10) The concept of 'quality management grid' is recommended by

2 points

- a. Crosby
- b. Juran
- c. Taguchi
- d. Deming

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. Crosby

11) The essence of 'Quality Trilogy' as proposed by Juran consists of three interrelated stages

2 points

- a. quality control, quality assurance, total quality management
- b. inspection, quality control, quality assurance
- c. inspection, quality control, quality improvement
- d. quality planning, quality control, quality improvement

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. quality planning, quality control, quality improvement