

Unit 6 - Week 5

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

Week 4

Week 5

● Facility Layout and Planning-I

● Facility Layout and Planning-II

● Factors Influencing Plant Layout

○ Material Flow Patterns

● Tools and Techniques used For Plant Layout Planning

○ Quiz : Assignment 5

○ Solution For Assignment 5

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WEEKLY FEEDBACK

Assignment 5

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

Due on 2020-03-04, 23:59 IST.

1) S-Flow type of line provides efficient utilization of space and is compact enough to allow effective supervision. 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) Free form of layout creates friendly environment. The statement is; 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) Fixed position layout is suitable for bulky products such as an aircraft. 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

4) In conditioning process, nothing is added into original raw material only shape is given. 1 point

The above statement is;

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

5) The principles for ideal facility layout includes; 1 point

- 1 Maximum travel
- 2 Compactness and minimum investment
- 3 Safety and satisfaction

- 2 and 3
 1 and 3
 1, 2 and 3
 1 and 2

No, the answer is incorrect.
Score: 0

Accepted Answers:
2 and 3

6) The importance of facility layout lies in; 1 point

- Minimization of production delays
 Effective use of available area
 Improved quality control
 All of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of these

7) The revision of existing layout is usually done; 1 point

- 1 For expansion
- 2 For improvement in the layout
- 3 For technological advancements

- 1 and 2
 1, 2 and 3
 1 and 3
 2 and 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3

8) _____type of flow line is used where processes or operations are performed on a rotary table or a rotary handling system. 1 point

- L-Flow
 S-Flow
 U-Flow
 O-Flow

No, the answer is incorrect.
Score: 0

Accepted Answers:
O-Flow

9) The flow pattern DOES NOT affect which of the following; 1 point

- Material handling cost
 Amount of work-in-progress
 Materials ordering cost
 Length of total production line

No, the answer is incorrect.
Score: 0

Accepted Answers:
Materials ordering cost

10) Which of the following tools/techniques are usually used for plant layout planning. 1 point

- 1 Flow diagram
- 2 Flow process chart
- 3 Operation process chart

- 1, 2 and 3
 1 and 2
 1 and 3
 2 and 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3