

Unit 6 - week 5

Course outline

How does an NPTEL online course work?

week 1

week 2

week 3

week 4

week 5

Lecture 21:Plant Layout: Process Layout Design

Lecture 22:Plant Layout: Process Layout Design II

Lecture 23:Plant Layout: Product Layout Design

Lecture 24:Organization of Facility

Lecture 25:Organization of Facility & Material Handling

Quiz : Assignment 5

Solution of Assignment 5

week 6

week 7

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week 12

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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) Single –storey building is preferred over multi-storey building if,

1 point

- Land cost is low
- Land cost is high
- Plant running cost is too high
- To accommodate large number of person

No, the answer is incorrect.
Score: 0

Accepted Answers:
Land cost is low

2) Material handling system can be economical if,

1 point

- Employing gravity feed movement
- Minimum distance travel
- By transporting material to destination without manual intervention
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

3) Building for the foundries are often of the

1 point

- Flat roof
- High-bay
- Multi-storey type
- Bow-string

No, the answer is incorrect.
Score: 0

Accepted Answers:
High-bay

4) No back-tracking and streamlined movement is allowed in

1 point

- Product layout
- Process layout
- Fixed-position layout
- Cellular layout

No, the answer is incorrect.
Score: 0

Accepted Answers:
Product layout

5) Three important factors need to be considered in the flow cost model are

1 point

- Frequency, time, and total cost of the movement
- Frequency, distance, and total cost of the movement
- Distance, time, and total cost of the movement
- Frequency, distance, and time of the movement

No, the answer is incorrect.
Score: 0

Accepted Answers:
Frequency, distance, and total cost of the movement

6) Type of process a paper mill would like to use is

1 point

- Job shop process
- Continuous flow process
- Intermittent flow process
- Flow shop process

No, the answer is incorrect.
Score: 0

Accepted Answers:
Continuous flow process

7) Advantages of process layout is/are

1 point

- Minimum in-process inventory
- Variety of product can be produced
- Minimum congestion
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Variety of product can be produced

8) Relationship between two work centers are graphically represented in

1 point

- Travel chart
- Flow chart
- Proximity chart
- Flow cost chart

No, the answer is incorrect.
Score: 0

Accepted Answers:
Proximity chart

9) Flow matrix model aims to find the flow between

1 point

- Source and destination that has maximum load and keep them far away
- Source and destination that has minimum load and keep them far away
- Source and destination that has maximum load and keep them close to each other
- Source and destination that has minimum load and keep them close to each other

No, the answer is incorrect.
Score: 0

Accepted Answers:
Source and destination that has maximum load and keep them close to each other

10) Time taken by individual work station A, B, C, D, E, and F are 7, 9, 7, 10, 9, and 6 minutes in an assembly line, then the line efficiency of the assembly line is

1 point

- 20%
- 70%
- 80%
- 90%

No, the answer is incorrect.
Score: 0

Accepted Answers:
80%