

Latest Version: 6

Question: 1

Small-group improvement activities are most effective when the:

- A. group is guided by a professional facilitator.
- B. group focuses on solvable problems.
- C. machine operators are required to participate.
- D. company's industrial engineers participate.

Answer: B

Question: 2

A customer has complained that paint is peeling off a product recently purchased from a supplier. A team is formed in the supplier plant to solve the:

Which of the following methods best describes the problem-solving approach used by the team?

- A. Pareto analysis
- B. Brainstorming
- C. Five why's
- D. Fishbone analysis

Answer: D

Question: 3

The primary reason for using an empty conveyance container as a triggering signal is to:

- A. communicate the need for material.
- B. keep the original container filled with material.
- C. pull material downstream.
- D. push material downstream.

Answer: A

Question: 4

Which of the following is the primary reason to reduce setup time?

- A. Reduced labor cost
- B. Reduced machine downtime
- C. Increased time to make repairs
- D. Increased flexibility

Answer: D

Question: 5

To successfully implement a multiple-site pickup of parts from different suppliers, it is necessary that:

- A. customers use contract carriers.
- B. suppliers have their products ready at specified times.
- C. suppliers be located close to their customers' sites.
- D. electronic data interchange be used.

Answer: B

Question: 6

Operation-to-operation quantity reporting is most important to which of the following production environments?

- A. Job-lot production
- B. Process production
- C. Repetitive manufacturing
- D. Continuous manufacturing

Answer: A

Question: 7

Which of the following persons has direct responsibility for the accuracy of production activity reporting?

- A. Controller
- B. Shop supervisor
- C. Materials manager
- D. Director of manufacturing

Answer: B

Question: 8

Which of the following statements about the MRP due date for a shop order is true?

- A. It is the same as operation priority.
- B. It is used in deriving operation priority.
- C. It is established at order release time and frozen until order completion.
- D. It is equal to the due date plus 5 "M" days.

Answer: B

Question: 9

A work center has a balance between the scheduled input and output over the next 4 weeks. One of the three machines in the work center will be out of service for 1 week. Currently, three operators work the first shift, one operator works the second shift, and each has a 40-hour work week. Which of the following actions is best to take to maintain the schedule?

- A. Move an operator from the first to the second shift.
- B. Schedule 40 hours of overtime.
- C. Subcontract 40 hours of work.
- D. Adjust the input.

Answer: A

Question: 10

The utilization of a downstream nonbottleneck resource is determined by:

- A. a bottleneck resource.
- B. theoretical capacity.
- C. available capacity.
- D. standard hours available.

Answer: A