Week 8: Assignment 8

Due on 2020-09-22, 03:00 UT

The due date for submitting this assignment is

4:00 pm on Friday, you must submit this assignment

1. Flexible manufacturing systems require
   a. Movement of material between operations
   b. Movement of product between machines
   c. Co-location of the various manufacturing processes
   d. Change in production activities or capabilities

2. Proces flexibility refers to
   a. Ability of machines to perform a variety of operations
   b. Ability to use the same process to manufacture a part with different characteristics
   c. Ability to change set up to a new set of parts
   d. Ability to change set up to a new set of products

3. Flexible manufacturing systems
   a. High-volume, low-variety (HLI) production system
   b. Low-volume, high-variety (LHI) production system
   c. Multi-volume, multi-variety (MMI) production system
   d. None of the above

4. The design of manufacturing is also based on
   a. Group technology
   b. Cellular manufacturing system
   c. Incarnation manufacturing system
   d. Continuous manufacturing system

5. Making flexibility is in part primarily to manage
   a. Internal changes
   b. External changes
   c. Market demand
   d. Increasability of materials

6. A proper plan and control systems is needed to control the processing of parts and enhance the flexibility to manufacture a variety of parts. What is an influential factor in increasing the flexibility of the system?
   a. Frozen and static variety
   b. Tool magazine capacity
   c. M. value
   d. Inspection equipment

7. What is the role of “Traffic Management Control System in FMS”?
   a. Organizes mechanical data
   b. Provides the management status of process performance
   c. Helps reduce in the event of a demand to perform in the operation of the machining centers and other equipment and systems
   d. Tracking the condition of parts of maximum operations on machining centers

8. The four phases of the FMS are associated with the system flexibility, which is
   a. High capacity
   b. Random setup time
   c. Reconfiguration as a result of long-term
   d. Production of high quality of parts

9. The use of NC machines promotes flexibility by
   a. Reducing the number of set-ups per day
   b. Reducing the variation in parts into the system
   c. Effectively using high capital equipment with
   d. Machining faster. Maximizing cutting data in engineering and process changes

10. A highly flexible system promotes the manufacture of a high variety of parts. Which applies?
    a. True
    b. False