Online Quizzes for e-Learning Module

Please Note: The following is an interactive quiz when you are logged in as a registered user. A registered user can take the benefit of viewing the entire course, the interactive quizzes and submit the final certification requirements.

Following is an example of an interactive quiz in a pdf format. Please contact us for more information.

Quiz for Lesson 1: Introduction to Scientific Molding and Scientific Processing

1. One of the main reasons for part quality inconsistencies is ?
    a. Shrinkage of the material not being easily predictable and consistent
    b. Variation in Material
    c. Variation in Machines
    d. Part to part, shot to shot and run to run inconsistencies

2. Which one of these is one of the types of consistencies a molder look for?
    a. Customer to customer
    b. Run to Run
    c. Operator to operator
    d. None of the above

3. Which of the statements is true?
    a. Variation in molded products can be eliminated
    b. Variation from shot to shot can be eliminated but not run to run
    c. Variation from cavity to cavity is not possible.
    d. Variation cannot to eliminated
4. Process Capability is a measure of
    a. How robust the process is

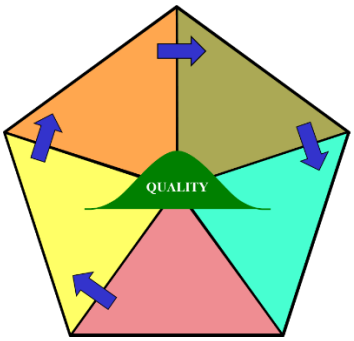
b. The ability to mold parts to the desired specifications
c. The number of acceptable parts in a box
d. All of the above

5. The 3 types of consistencies required in Injection Molding are
    a. Cavity to Cavity
    b. Shot to Shot
    c. Run to Run
    d. All of the above.

6. 100 parts were molded and their lengths were measured. The lengths were all 5.125 inches.

    Is the statement, 'There is no variation in the dimensions.' True or False?
    a. True
    b. False

7. To have a successful molding project, pick the order in which the 5 elements must be considered. (Users will pick and place the text in the triangles of different colors)



MOLD DESIGN & BUILD

MOLDING MACHINE

PART DESIGN

PROCESS

MATERIAL

8. How many inputs on the machine can affect the part quality?
    a. 4
    b. Between 6 and 10
    c. 13
    d. More than 20

9. How many main outputs should one consider from an injection molding process?
    a. 6
    b. 8
    c. 10
    d. 12

10. True of false? 'If we measure 2 parts out of a 10,000 parts and the parts are acceptable, then we can safely say that all the 10,000 parts are acceptable'
    a. True
    b. False

11. A process that runs in 'cruise control mode'
    a. Does not exist
    b. Is almost impossible to develop
    c. Always molds parts within the specifications with no process changes required
    d. Will need to be tweaked during every run and throughout the run

12. One of the main culprits for inconsistent processes is
    a. The personnel who are constantly changing the process.
    b. Molding shop temperature is always changing.
    c. Machine maintenance was not performed.
    d. Shrinkage in plastics is not constant and not easily predictable.