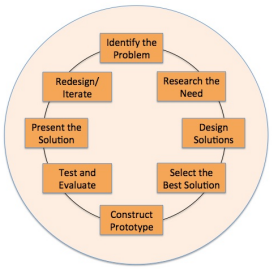


Test and Evaluate

QUIZ

Question 1

In the process of testing a design with an appropriate set of users, it is important to interpret why the user is doing what they are doing during observations of user testing.

a. True
b. False

Question 2

Which of the following (select all that apply) is important to assure that the output of a component under constant input conditions is operating correctly as designed?

a. A histogram of multiple output measurements looks normally distributed
b. The mean or average output is within 10% of the predicted value of the output
c. A collection of output measurements passes the Lilliefors test
d. The difference between the average output measurement and the expected or predicted output measurement meets the precision in the design specification

Question 3

If a design performs as expected, there is no need to test the components, one by one.

a. True
b. False

Question 4

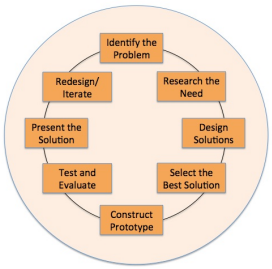
If a user does not like a design or cannot figure out how to use it, the design should be scrapped and the design cycle started all over again.

a. True
b. False

Question 5

Any component should first be tested in:

a. A realistic environment
b. A controlled environment
c. An isolated environment



Test and Evaluate

Question 6

Precision can be estimated as:

a. The difference between the ideal and experimental mean of a signal
b. +/- three standard deviations from the experimental mean
c. +/- one standard deviation from the experimental mean
d. The accuracy divided by the experimental mean

Question 7

Normality of a data distribution can be accurately estimated by looking at its histogram.

a. True
b. False

Question 8

Likert scale questions are best for initial user testing.

a. True
b. False

Question 9

System level testing should always first be done in an isolated environment.

a. True
b. False