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

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**Question 5**

Any component should first be tested in:

a. A realistic environment

b. A controlled environment

c. An isolated environment

**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. FalseBottom of Form