

## Quiz 10 Evaluation Part 1 and 2

1. An inspection evaluation technique in which experts guided by usability principles, evaluate whether user interface elements, such as dialogue boxes, menus, navigation structures conform to tried and tested principles. The usability principles resemble that of high-level design principles. In the text area below, please name this type of evaluation.

Answer: Heuristic Evaluation

2. This is a type of evaluation technique that consists of a carefully managed team of users, developers and usability experts working together to step through a task scenario, discussing usability issues associated with dialog elements involved in the scenario steps. In the text area below, please name this type of evaluation.

Answer: Pluralistic Walkthrough

3. True or False: Usability tests are used to test hypotheses and discover new knowledge in a research investigation. In the text area below, please state your answer.

Answer: False

4. True or False: Usability testing includes recording the performance of typical users of a system performing typical tasks in controlled settings towards improving products. In the text area below, please state your answer.

Answer: True

5. List three types of data that you would gather from a usability testing session. In the text area below, please state your answer.

Answer: Any three of the following –

- Time to complete a task
- Time to complete a task after a specified time away from the product
- Number and type of errors per task
- Number of errors per unit of time
- Number of times online help and manuals are accessed
- Number of users making an error
- Number of users successfully completing a task

6. A usability testing kit consisting of a smart phone, camera, microphone, mini laptop or PC, and other computational, observation and data recording components that pack into a heavy duty padded flight case is called \_\_\_\_\_. In the text area below, please state your answer.

Answer: Lab-in-a-box

7. An experimental design in which participants are allocated randomly to different experimental conditions uses the \_\_\_\_\_ design. In the text area below, please state your answer.

Answer: Between subjects or Different participants.

8. An experimental design in which all participants appear in all conditions of the experiment uses the \_\_\_\_\_ design. In the text area below, please state your answer.

Answer: Within subjects or Repeated measures or Same participants.

9. An experimental design in which participants are matched based on either demographics, expertise, gender, age or some other key characteristics, and each participant in the pair is

allocated to a different experiment condition is called the \_\_\_\_\_ design. In the text area below, please state your answer.

Answer: Matched participants.

10. \_\_\_\_\_ type of studies are done in natural settings where the aim is to understand what users do naturally and how technology impact them. This type of study is used in product design to identify opportunities for new technology, determine design requirements, and evaluate technology in use in natural settings. In the text area below, please state your answer.

Answer: Field studies or In the wild studies.