
Design in Engineering Test

- 1) **Project managers/team leaders recruit team members for projects and oversee the project to ensure key points are met.**
True
False
- 2) **Completion of one design may open the doors for modifications and/or subsequent designs.**
True
False
- 3) **The Develop and Test Models stage involves the creation of goals that act as focal points throughout the design process.**
True
False
- 4) **An example of a source for information is trade journals.**
True
False
- 5) **Ideas that seem to be silly and off-the-wall should be considered in the Brainstorming and Generating Creative Ideas Stage.**
True
False
- 6) **Testing of models should be avoided at early stages of a design because they are a waste of time, effort, and money.**
True
False
- 7) **While analyzing potential solutions, the team may have to start over if the remaining ideas do not meet the working criteria and goals.**
True
False
- 8) **The process of designing a system, component, or process to meet a desired need is the definition of:**
 - a) Working Criteria
 - b) Product Innovation
 - c) Brainstorming
 - d) Engineering Design
- 9) **Checkpoints for progress are called the:**
 - a) Working Criteria
 - b) Engineering Design
 - c) Post-Implementation Review
 - d) Process Goals

- 10) Which of the following may be classified as a model?
- a) Computer
 - b) All of these are correct
 - c) Mathematical
 - d) Diagrams
 - e) Descriptive
- 11) Select the following resource areas where a team may find information for researching and gathering data:
- a) Government Publications
 - b) Trade journals/publications
 - c) All of these are correct
 - d) Disassembling the competition's product
 - e) Patent searches and listings
- 12) Of the following questions, which IS NOT an example of a Working Criteria?
- a) All of these are correct
 - b) When will production occur?
 - c) Will it be difficult to produce?
 - d) Is it what customers want?
 - e) How much will it cost?
- 13) Identifying the Problem/Product Innovation must have the following requirement completed prior to continuing on:
- a) Models and prototypes built
 - b) Product Performance Review
 - c) Creative solutions developed
 - d) Problem established
- 14) Complete the following statement concerning Brainstorming:
- "Dumb" ideas may _____ to the final solution.
- a) lead
 - b) start
 - c) divert
 - d) follow
- 15) Project managers are responsible for oversight of the project and recruitment of team members of various backgrounds and _____ .
- a) experience
 - b) expertise
 - c) ages
 - d) interests