### Multiple Choice Questions

1. Which of the following is not a true statement?
   a. Forms and reports are integrally related to various diagrams developed during requirements structuring.
   b. Every input form will be associated with a data flow leaving a process on a DFD.
   c. The contents of a form or report correspond to the data elements contained in an associated data flow.
   d. The data on all forms and reports must be data elements in data stores and on the E-R data model for the application, or must be computed from these data elements.

2. When designing forms and reports, the first activity is to:
   a. gain an understanding of the intended user and task objectives by collecting initial requirements during requirements determination
   b. structure and refine the requirements independent from the users
   c. ask users to review and refine prototypes of the form or report
   d. structure and refine the requirements with the users

3. Which of the following is a fundamental question to ask when designing forms and reports?
   a. Who will use the form or report?
   b. What is the purpose of the form or report?
   c. Where does the form or report need to be delivered and used?
   d. all of the above

4. In the case of designing forms and reports, the major deliverables are:
   a. the design specifications
   b. an updated baseline project plan and updated statement of work
   c. entity-relationship diagrams
   d. the implemented forms and reports

5. Which of the following is a design specification section?
   a. management issues
   b. system description
   c. testing and usability assessment
   d. feasibility assessment

6. Clearly labeling all data and entry fields refers to the general guideline of:
   a. meaningful titles
   b. meaningful information
   c. balanced layout
   d. easy navigation

7. Providing a valid date (or time) that identifies when the data in the form or report were accurate refers to the general guideline of:
   a. meaningful titles
   b. meaningful information
   c. balanced layout
   d. easy navigation
8. In general, highlighting:
   a. should not be used to warn users of errors in data entry or processing
   b. should not be used to provide warnings to users regarding possible problems such as unusual data values
   c. should not be used in tandem
   d. should be used sparingly to draw the user to or away from certain information and to group together related information

9. Research conducted on highlighting suggests:
   a. highlighting should be used conservatively
   b. highlighting methods should be consistently used and selected based on the level of importance of the emphasized information
   c. blinking and audible tones should only be used to highlight critical information that requires an immediate response from the user
   d. all of the above

10. All of the following are problems with using color except:
    a. printing or conversion to other media may not easily translate
    b. evokes more emotional reactions
    c. resolution may degrade with different displays
    d. color pairings may washout or cause problems for some users

11. When displaying text, a person should:
    a. right justify text
    b. hyphenate words between lines
    c. use double spacing if space permits
    d. use obscure abbreviations and acronyms

12. In reference to the general guidelines for displaying tables and lists, which of the following statements is not true?
    a. The context and meaning of tables and lists are significantly derived from the format of the information.
    b. The usability of information displayed in tables and alphanumeric lists is likely to be much more influenced by effective layout than most other types of information.
    c. A blank line should be placed between every ten rows in long columns.
    d. A single type face should be used, except for emphasis.

13. Tables should be used instead of graphs when the user will be:
    a. comparing points and patterns of different variables
    b. forecasting activities
    c. reading individual data values
    d. detecting trends over time

14. All of the following are usability characteristics except:
    a. satisfaction
    b. completeness
    c. speed
    d. accuracy

15. An overall evaluation of how a system performs for supporting a particular user for a particular task refers to:
    a. usability
    b. testing
    c. quality check
    d. feasibility assessment
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<td>avoid scrolling text and animations since they are both hard to read and users often equate such content as advertising</td>
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<td>c.</td>
<td>make sure that users do not need the latest browsers or plug-ins to view your site</td>
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<td>d.</td>
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<td>b.</td>
<td>CGI scripts</td>
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<td>c.</td>
<td>Java</td>
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<td>template-based HTML</td>
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**Answers**

1. **Which of the following is not a true statement?**
   a. Forms and reports are integrally related to various diagrams developed during requirements structuring.
   b. Every input form will be associated with a data flow leaving a process on a DFD.
   c. The contents of a form or report correspond to the data elements contained in an associated data flow.
   d. The data on all forms and reports must be data elements in data stores and on the E-R data model for the application, or must be computed from these data elements.
   
   **Answer:** b  
   **Difficulty:** Med  
   **Reference:** p. 389-390

2. **When designing forms and reports, the first activity is to:**
   a. gain an understanding of the intended user and task objectives by collecting initial requirements during requirements determination
   b. structure and refine the requirements independent from the users
   c. ask users to review and refine prototypes of the form or report
   d. structure and refine the requirements with the users

   **Answer:** a  
   **Difficulty:** Med  
   **Reference:** p. 390

3. **Which of the following is a fundamental question to ask when designing forms and reports?**
   a. Who will use the form or report?
   b. What is the purpose of the form or report?
   c. Where does the form or report need to be delivered and used?
   d. all of the above

   **Answer:** d  
   **Difficulty:** Easy  
   **Reference:** p. 391

4. **In the case of designing forms and reports, the major deliverables are:**
   a. the design specifications
   b. an updated baseline project plan and updated statement of work
   c. entity-relationship diagrams
   d. the implemented forms and reports

   **Answer:** a  
   **Difficulty:** Med  
   **Reference:** p. 392

5. **Which of the following is a design specification section?**
   a. management issues
   b. system description
   c. testing and usability assessment
   d. feasibility assessment

   **Answer:** c  
   **Difficulty:** Med  
   **Reference:** p. 393

6. **Clearly labeling all data and entry fields refers to the general guideline of:**
   a. meaningful titles
   b. meaningful information
   c. balanced layout
   d. easy navigation

   **Answer:** c  
   **Difficulty:** Med  
   **Reference:** p. 395
### Chapter 11
#### Designing Forms and Reports

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13. Tables should be used instead of graphs when the user will be:
   a. comparing points and patterns of different variables
   b. forecasting activities
   c. reading individual data values
   d. detecting trends over time

   **Answer**: c  
   **Difficulty**: Med  
   **Reference**: p. 403

14. All of the following are usability characteristics except:
   a. satisfaction
   b. completeness
   c. speed
   d. accuracy

   **Answer**: b  
   **Difficulty**: Med  
   **Reference**: p. 405

15. An overall evaluation of how a system performs for supporting a particular user for a particular task refers to:
   a. usability
   b. testing
   c. quality check
   d. feasibility assessment

   **Answer**: a  
   **Difficulty**: Med  
   **Reference**: p. 406

16. When designing forms and reports, the user characteristic addresses:
   a. issues related to experience, skills, motivation, education, and personality
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   c. job activities that differ in the amount of information that must be obtained from or provided to the user
   d. the platform in which the system is constructed, influencing interaction styles and devices

   **Answer**: a  
   **Difficulty**: Hard  
   **Reference**: p. 407

17. When designing forms and reports, the system characteristic addresses:
   a. issues related to experience, skills, motivation, education, and personality
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   **Answer**: d  
   **Difficulty**: Med  
   **Reference**: p. 407

18. When designing Web pages, which of the following is the recommendation for avoiding nonstandard use of GUI Widgets?
   a. avoid using large images, lots of images, unnecessary animations, or other time-consuming content
   b. avoid scrolling text and animations since they are both hard to read and users often equate such content as advertising
   c. make sure that users do not need the latest browsers or plug-ins to view your site
   d. make sure that when using standard design items, that they behave in accordance to major interface design standards

   **Answer**: d  
   **Difficulty**: Hard  
   **Reference**: p. 409
### Question 19

When designing Web pages, which of the following is the recommendation for avoiding slow download times?

- **a.** avoid using large images, lots of images, unnecessary animations, or other time-consuming content
- **b.** avoid scrolling text and animations since they are both hard to read and users often equate such content as advertising
- **c.** make sure that users do not need the latest browsers or plug-ins to view your site
- **d.** make sure you avoid designing any legitimate information in a manner that resembles advertising

**Answer:** a  
**Difficulty:** Med  
**Reference:** p. 409

### Question 20

Templates used to display and process common attributes of a higher-level and more abstract items best describes:

- **a.** object-oriented templates
- **b.** CGI scripts
- **c.** Java
- **d.** template-based HTML

**Answer:** d  
**Difficulty:** Med  
**Reference:** p. 410