Systems Analysis and Design Methods
Chapter 6: Requirements Discovery

Multiple Choice Questions

1. The following situations can occur when requirements are incorrectly specified, except:

   A. the system may cost more than projected
   B. the system may be delivered sooner than promised
   C. the system may not meet user expectations
   D. The system may be unreliable and prone to errors

   The correct answer is B.

2. Which of the following criteria is one of the goals of a system analyst?

   A. consistency
   B. feasibility
   C. accuracy
   D. all of the above

   The correct answer is D.

3. The following are activities for requirements discovery, except:

   A. problem discovery and analysis
   B. requirements discovery
   C. plan the project
   D. requirements management

   The correct answer is C.

4. The four basic categories of an Ishikawa diagram are:

   A. materials, machines, manpower and methods (four M's)
   B. places, procedures, policies, and people (four P's)
   C. surroundings, suppliers, systems and skills (four S's)
   D. all of the above

   The correct answer is D.

5. The following are common fact-finding techniques except:

    A. sampling of existing documentation, forms and databases
    B. observation of the work environment
    C. decision table
    D. interviews

    The correct answer is C.

6. Which of the following is NOT a problem that is typically found in initial draft requirements documents?

    A. observation requirements
    B. conflicting requirements
    C. infeasible requirements
    D. missing requirements

    The correct answer is A.

7. A system analyst might find one of the following errors in a requirements definition document, except:

    A. system models contain errors
    B. project scope errors
    C. conflicting requirements
    D. ambiguous requirements

    The correct answer is B.

8. The following types of questions are fixed-format questions?

    A. multiple choice questions
    B. ranking questions
    C. rating questions
    D. all of the above

    The correct answer is D.

True or False Questions

9. Another name for a system requirement is business requirement.

    A. True   B. False

    The correct answer is A.

10. A nonfunctional requirement is an action of the system and usually is written using an action verb phrase.

A. True   B. False

The correct answer is B.
A functional requirement is an action of the system and usually is written using an action verb phrase.

11. Requirements discovery consists of the following activities: (1) problem discovery and analysis; (2) requirements discovery; (3) documenting and analyzing requirements; and (4) requirements management.

A. True   B. False

The correct answer is A.

12. The Ishikawa diagram is a graphical tool used to identify, explore and depict problems and the causes and effects of those problems.

A. True   B. False

The correct answer is A.

13. Analyzing requirement is a sampling technique characterized as having no predetermined pattern or plan for selecting sample data.

A. True   B. False

The correct answer is B.
Randomization is a sampling technique characterized as having no predetermined pattern or plan for selecting sample data.

14. A disadvantage of a questionnaire is that it provides a relatively inexpensive means for gathering data from a large number of individuals.

A. True   B. False

The correct answer is B.
An advantage of a questionnaire is that it provides a relatively inexpensive means for gathering data from a large number of individuals.

15. A disadvantage of a questionnaire is that good questionnaires are very difficult to prepare.

A. True   B. False

The correct answer is A.

16.   An advantage of an interview is that it permits the analyst to adapt or reword questions for each individual.

A. True   B. False

The correct answer is A.

17.   An advantage of interviewing is that the success of interviews is highly dependent on the systems analyst's human relations skills.

A. True   B. False

The correct answer is B.
A disadvantage of interviewing is that the success of interviews is highly dependent on the systems analyst's human relations skills.

18.   An entity is used to describe system functions from the perspective of external users and in the manner and terminology they can understand.

A. True   B. False

The correct answer is B.
A use case is used to describe system functions from the perspective of external users and in the manner and terminology they can understand.