

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
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
3. The following are activities for requirements discovery, except:
 - A. problem discovery and analysis
 - B. requirements discovery
 - C. plan the project
 - D. requirements management
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
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
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

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
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

True or False Questions

9. Another name for a system requirement is business requirement.
- A. True B. False
10. A nonfunctional requirement is an action of the system and usually is written using an action verb phrase.
- A. True B. False
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
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
13. Analyzing requirement is a sampling technique characterized as having no predetermined pattern or plan for selecting sample data.
- A. True B. False
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

15. A disadvantage of a questionnaire is that good questionnaires are very difficult to prepare.
- A. True B. False
16. An advantage of an interview is that it permits the analyst to adapt or reword questions for each individual.
- A. True B. False
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
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