

CPIT (BA) Sample Questions

1. One of the purpose of conducting an organizational requirements analysis is to:
 - a. prepare the budget for the next financial year
 - b. identifying new business opportunities for the company
 - c. develop project development guidelines for internal projects
 - d. determine an implementation strategy for IT projects

Answer: (b)

2. Which of the following best describes what is the strategic goal of a company:
 - a. The profit and loss of the business
 - b. The robustness of IT security in the company's computer system
 - c. The overall business objectives of the company
 - d. Short to medium term business initiatives to boost up sales

Answer: c

3. Which of the following is not normally covered in a feasibility study report:
 - a. User requirements analysis
 - b. Cost and benefits of different solutions
 - c. Detailed Implementation plan
 - d. Risk analysis

Answer: c

4. Which is the most important component in a business case:
 - a. Risk assessment
 - b. Availability of solution suppliers
 - c. Financial projection of the company
 - d. Cost benefit analysis of the proposed solution

Answer: d

5. Which of the following is not included in a risk assessment process
 - a. Vulnerability of the enterprise computer network
 - b. Operational risk of proposed solutions
 - c. Reputational risk in case the project fails
 - d. Implementation plan of network security solutions

Answer: d

6. Which of the following term best describes the activities designed to produce a specific output for a particular customer or market?
- A. Key business processes
 - B. Formal system
 - C. Informal system
 - D. Business process reengineering

Answer: A

7. Which of the following is considered one of the drawbacks of using Data Flow Diagram (DFD) in requirement analysis?
- A. The Business Analyst cannot include all the components in his/her analysis model
 - B. The system shown at one level of DFD is incompatible with the one in another level
 - C. The input and output to a DFD process cannot be conserved when the process is decomposed to a lower level diagram
 - D. There is no indication on the timing and frequency of occurrence of a data flow

Answer: D

8. Which of the following modeling tools allow the Business Analysts to model the real world applications by encapsulating both data and processes using a common underlying representation?
- A. Data flow diagram
 - B. Use cases diagram
 - C. Class diagram
 - D. Entity-relationship diagram

Answer: C

9. Structured walkthroughs can be used to:
- A. Validate system requirements
 - B. Confirm system design
 - C. Review the work of programmers
 - D. All of the above

Answer: D

10. Tools such as use cases help Business Analysts analyze the system functional requirements without worrying about how those requirements will be implemented. Which of the following is true about the use case diagram?
- A. Each use case has an objective and is represented as an ellipse
 - B. Each actor of has a role in the use case indicated using a line connecting the actor to one or more use cases
 - C. A use case may be connected using an arrow to another use case
 - D. All of the above

Answer: D

11. Examine the following processes:
- I. Prototype Presentation
 - II. Interviews with Stakeholders
 - III. Use Cases Modeling
 - IV. Requirements Scoping

Which of the following sequences of the above processes is usually applied for requirements collection?

- a. III, IV, II
- b. I, II, III
- c. IV, II, III
- d. II, III, IV

Answer is c.

12. Which of the following is not a modeling tool for requirements documentation?
- a. Structure Diagram
 - b. Sequence Diagram
 - c. Use Cases
 - d. Prototype

Answer is d.

13. Use Cases of Business Requirements allow us:
- I. to identify the capability of a system
 - II. to illustrate user interactions with the system
 - III. to decompose functions of a system
 - IV. to scope requirements
 - V. to show internal structure of a system

Which of the following combinations of the above is correct?

- a. I, II, III
- b. II, III, IV
- c. I, II, IV
- d. II, III, V

Answer is c.

14. Study the following statements:

- I. Prioritization of business requirements must be based on consideration of costs and benefits only as other factors will complicate the decision
- II. Non-critical stakeholders, e.g. software development team, should not be involved in requirements prioritization as they are too technology oriented
- III. Prioritization of requirements can be done at use case level only if business environment allows
- IV. Risks of implementing requirements should be considered in prioritizing requirements

Which of the following combination of the above statements is true?

- a. I, II
- b. I, III
- c. II, IV
- d. III, IV

Answer is d.

15. Examine the following techniques:

- I. Interpersonal Skills
- II. Text-based Analysis
- III. System Design
- IV. Stakeholder Analysis
- V. Project Management

Which of the above techniques are most critical to requirements collection?

- a. I, II, IV
- b. I, III, V
- c. II, III, IV
- d. III, IV, V

Answer is a.

16. Which one of the following is NOT the BA's role to support Solution Evaluation:

- a. Ensure the requirements are fulfilled by the design solution
- b. Support quality assurance activities
- c. Help business stakeholders with user acceptance testing
- d. Construction of the system software

Answer: (d) Difficulty: Low

17. Which of the following tools is normally used by BA during Solution Evaluation:

- a. Entity-relationship diagram
- b. Requirement Traceability Matrix
- c. Class diagram
- d. Data Flow Diagram

Answer: (b) Difficulty: Low

18. Which of the following is/are typical output(s) from BA for Solution Evaluation:

- 1. Test plan
 - 2. Assessment of the solution usability
 - 3. Feasibility study report
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- a. (1) only
 - b. (1) and (2) only
 - c. (2) and (3) only
 - d. All of the above

Answer: b Difficulty: Medium

19. Structured Systems Development Methodology usually includes the following major activities or phases:

- (I) Analysis
- (II) Design
- (III) Coding
- (IV) Testing
- (V) Implementation

Identify the most appropriate sequence of activities for an Agile Systems Development Methodology:

- a. (I)-(II)-(III)-(IV)-(V)
- b. Iterations of (I)-(II)-(III)-(IV) and then (V)
- c. (I), Iterations of (II)-(III)-(IV) and then (V)
- d. Iterations of (I)-(II)-(III) and then (IV)-(V)

Answer is b.

20. Which of the following Symbols/Terms is not used in Use Case Diagrams?

- a. Actor
- b. Environment
- c. Extended Relationship
- d. System Boundary

Answer is b.