

8. Rapid Application Development (RAD) strategy includes all of the following
- actively involves system users in the analysis, design, and construction
 - uses waterfall development approach to evolve system concept
 - organizes systems development into a series of focused, intensive
 - reduces the amount of time that passes before the users begin to use the system
 - accelerates the requirements analysis and design phases
9. A model-driven analysis approach that focuses on the structure of store rather than on processes is
- structured analysis
 - information engineering
 - rapid architected analysis
 - object-oriented analysis
10. All of the following are phases of systems analysis, except
- decision analysis phase
 - requirements analysis phase
 - design analysis phase
 - problem analysis phase
 - scope definition phase
11. Prototypes are used in
- model-driven analysis
 - object-oriented analysis
 - traditional approaches
 - accelerated systems analysis
 - structured analysis
12. – a diagram that depicts the interactions between systems and users.
- Use-case diagram
 - Diverging data flow
 - Composite flow
 - Elementary process
13. The condition where the methods and/or attributes defined in another object class is known as:
- Specialization
 - Generalization
 - Inheritance
 - Encapsulation
14. – a system event triggered by time
- The bank customer
 - Time
 - Temporal event
 - System analysis use case
15. In a data flow diagram, a data flow that consists of a single data

Question (1):

CLO 1.2

SO K1

[15 marks]

Choose the best answer

1. A bank customer stops by her bank's ATM to withdraw money from her checking account. In this case, who is the primary business actor?
 - a. the bank teller
 - b. the bank
 - c. the bank customer
 - d. the money withdrawal authorization company
2. Which of the following would be the best name for a use case?
 - a. withdraw money
 - b. withdrawal
 - c. withdrawMoney()
 - d. money withdrawal
 - e. money
3. Which of the following is NOT a good source for identifying business actors?
 - a. existing requirements documents
 - b. user manual for the existing system
 - c. context diagram
 - d. entity relationship diagram
 - e. minutes of project meetings
4. Which use case relationship is used to model the relationship between a use case and an actor?
 - a. depends on
 - b. inheritance
 - c. extends
 - d. uses
 - e. none of the above
5. A constraint on the state of the system before the use case can be executed is called a(n):
 - a. trigger
 - b. prior condition
 - c. post condition
 - d. open issue
 - e. none of the above
6. In UML is the packaging of several items together into one unit.
 - a. object modeling
 - b. prototyping
 - c. encapsulation
 - d. object class
 - e. data flow diagram modeling
7. What is the multiplicity in this association: "An employee has either one or no spouse"
 - a. exactly 1
 - b. zero or 1
 - c. zero or more
 - d. 1 or more
 - e. specific range