**51. What is an object?**  
a) An object is an instance of a class  
b) An object includes encapsulation of data  
c) An object is not an instance of a class  
d) All of the mentioned

**52. Which of the following are the valid relationships in Use Case Diagrams**  
a) Generalization  
b) Include  
c) Extend  
d) All of the mentioned

1. **UML interfaces are used to:**  
   a) specify required services for types of objects  
   b) program in Java, but not in C++ or Smalltalk  
   c) define executable logic to reuse across classes  
   d) define an API for all classes

**54. What is a sequence diagram?**  
A. a diagram that shows interacting individuals along the top of the diagram and messages passed among them arranged in temporal order down the page

B. a diagram that shows messages super imposed on a diagram depicting collaborating individuals and the links among them

C. a diagram that shows the change of an individual’s state over time

D. all of the mentioned

55. How many views of the software can be represented through the Unified Modeling Language (UML)?

a) Four

b) Five

c) Nine

d) None of the above

56. Which of the following UML diagrams represent the structural View of the software?

a) Class diagram

b) Object diagram

c) Both a. and b.

d) None of the above

57.Which of the following is not a UML diagram?

a) Class diagram

b) Object Diagram

c) Interface diagram

d) Use case model

58 Which of the following statements is true?

1. There are 5 views that are represented through the Unified Modelling Language (UML).
2. These 5 views in UML are represented through 9 UML diagrams.

* Only i is true
* Only ii is true
* Both i and ii are true
* None of them is true

59. Sequence diagram is ... oriented.

a) Time

b) Class

c) Activity

d) None of these

60 UML is not a programming language; it is rather a visual language.

1. True
2. False

Answers:

51 A

52 D

53 A

54 A

55 B

56 C

57 C

58 C

59 A

60 A