

Software Design with UML - Test 2 - Set A

SVKM'S NMIMS
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT&

ENGINEERING

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IV
Subject: Software Design with UML
Time: 12 min. (09:13pm-09:28pm)
Date: 12 / 03 / 2020
Marks: 12
12

Year: II Semester:

No. of Pages: 1
No. of Questions:

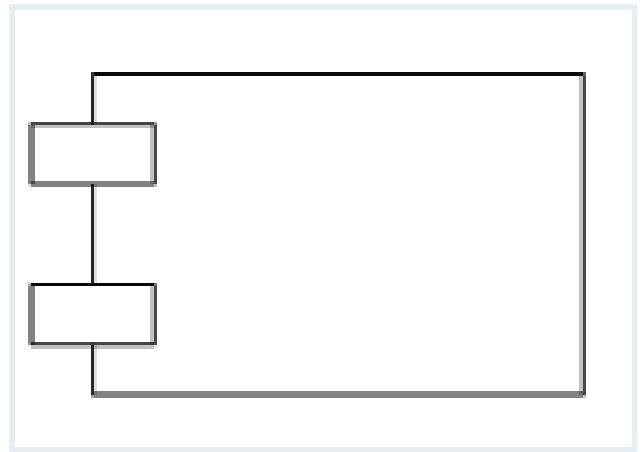
Test-II [SET-A]

Instructions: Candidates should read carefully the instructions printed on the question paper.

- 1) Answer each questions by clicking on the appropriate choice.
- 2) Figures (Points) in brackets on the right hand side indicate full marks (points).
- 3) Assume suitable data where necessary.

1

Which core element of UML is being shown in the figure?
(1 Point)



- ☐ Interface
- ☒ Component
- ☐ Node
- ☐ Class

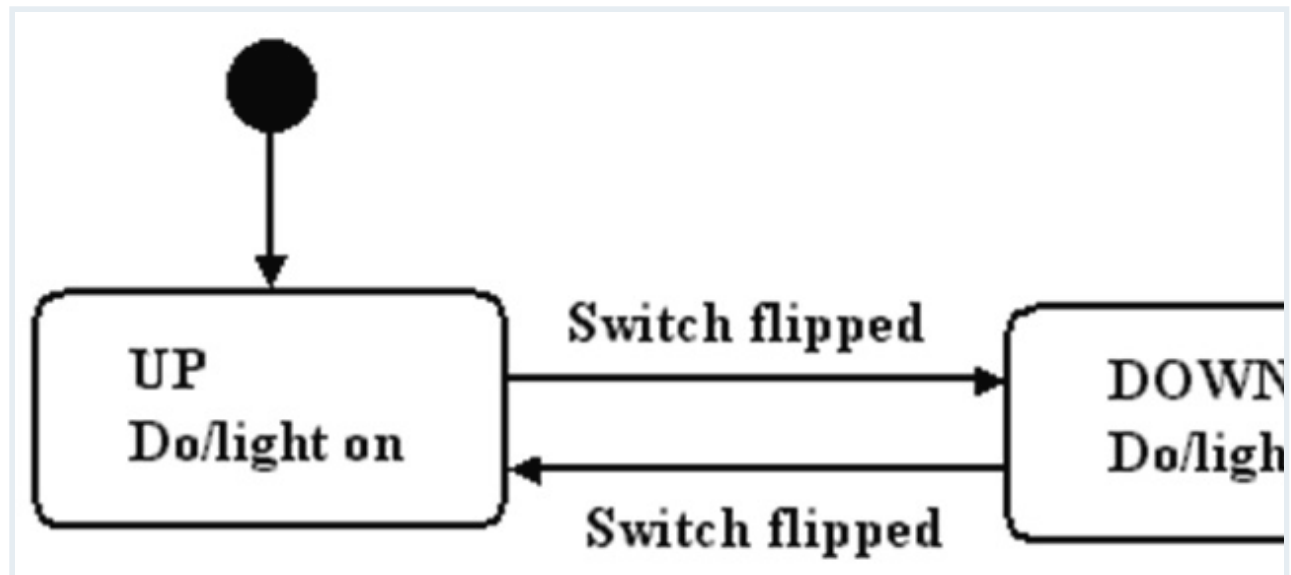
2

Interaction Diagram is a combined term for
(1 Point)

- ☒ Sequence Diagram + Collaboration Diagram
- ☐ None of the mentioned
- ☐ Activity Diagram + State Chart Diagram
- ☐ Deployment Diagram + Collaboration Diagram

3

Which UML diagram is shown below?
(1 Point)



- ☐ Object Diagram
- ☒ Activity
- ☐ Use Case
- ☐ State Chart

4

Which of the following is a dynamic model that shows how the system interacts with its environment as it is used?

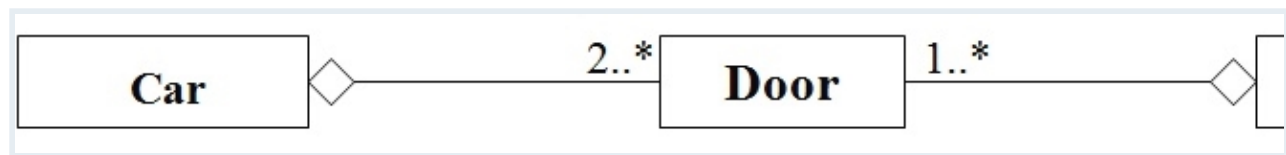
(1 Point)

- ☐ interaction model
- ☐ environmental model
- ☒ system context model
- ☐ both system context and interaction

5

What type of core-relationship is represented by the symbol in the figure below?

(1 Point)



- ☐ Association
- ☒ Aggregation
- ☐ Generalization
- ☐ Dependency

6

_____ is a mechanism that describes structural and behavioral features. It includes classes, associations, interfaces, datatypes, signals, components, use cases and subsystems
(1 Point)

- ☒ Classifier
- ☐ Operations
- ☐ Use Case
- ☐ DFD

7

Which model shows the flow of object interactions?
(1 Point)

- ☒ Sequence model
- ☐ Dynamic model
- ☐ Both Sequence and Dynamic model
- ☐ Subsystem model

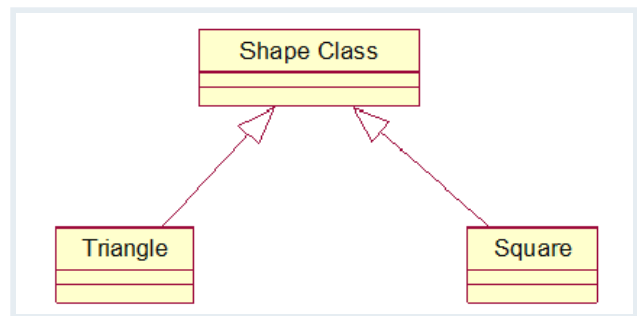
8

Which model describes the static structure of the system using object classes and their relationships?

(1 Point)

- ☐ Sequence model
- ☐ Subsystem model
- ☐ Dynamic model
- ☒ Structural model

9



What type of relationship is represented by Shape class and Square ?

(1 Point)

- ☐ Realization
- ☒ Generalization
- ☐ Aggregation
- ☐ Dependency

10

Which diagram in UML shows a complete or partial view of the structure of a modeled system at a specific time?

(1 Point)

- ☐ Class Diagram
- ☒ Object Diagram
- ☐ Collaboration Diagram
- ☐ Sequence Diagram

11

Which of the following diagram is time oriented?

(1 Point)

- ☐ None of the mentioned
- ☒ Sequence
- ☐ Activity
- ☐ Collaboration

12

Structure diagrams emphasize the things that must be present in the system being modeled.

(1 Point)

- ☐ False
- ☒ True

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