Diagram C

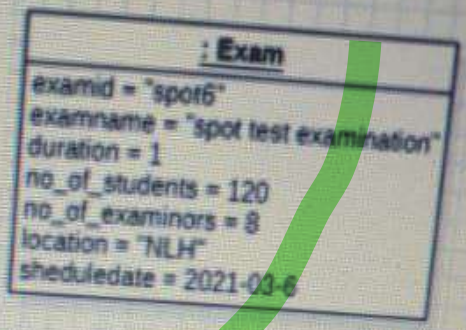
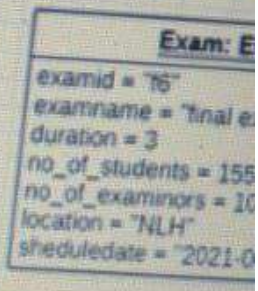


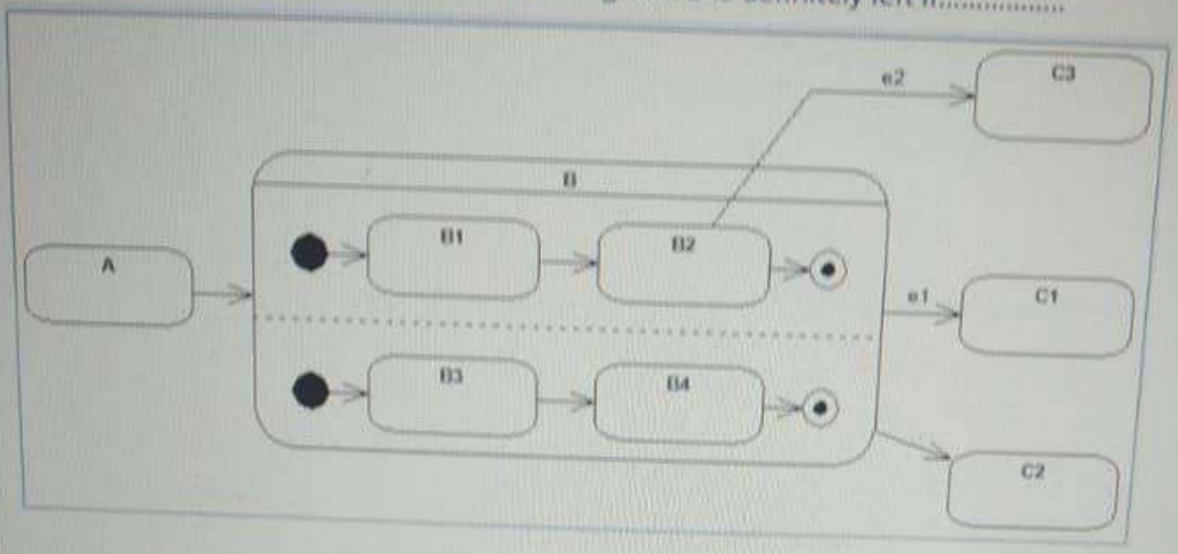
Diagram E



Select one:

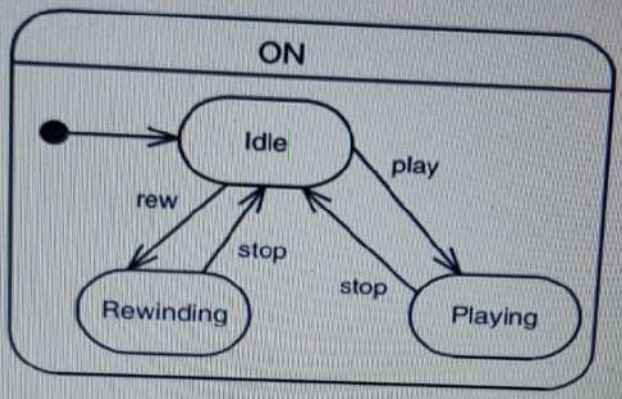
- I. Diagram A and Diagram E
- ii. Diagram A, Diagram B, Diagram C, Diagram D
- iii. Diagram A and Diagram C
- iv. Diagram C and Diagram D
- v. Diagram B, Diagram C, Diagram D

You are given the following state machine diagram. B is definitely left if.....



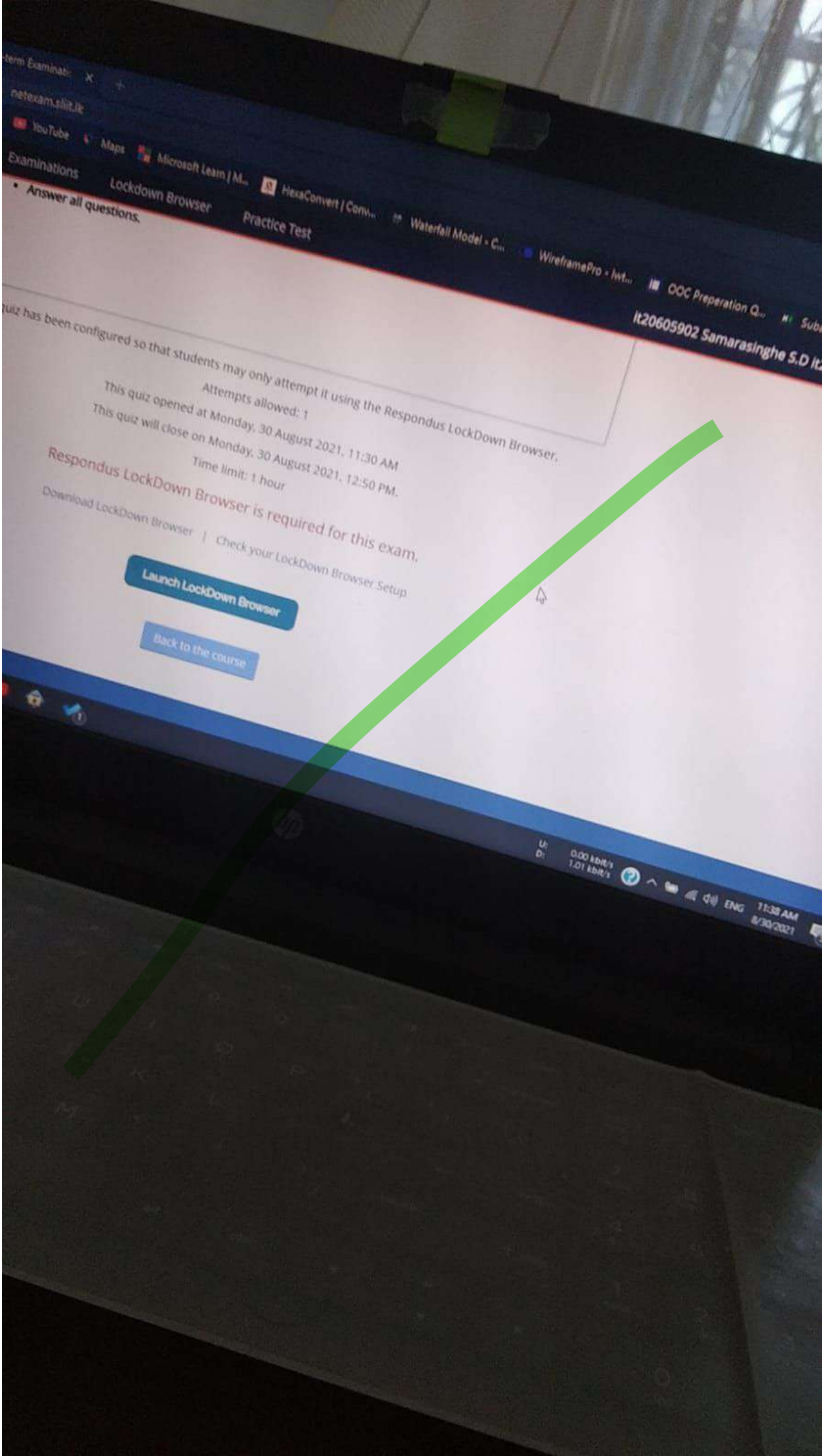
Select one or more:

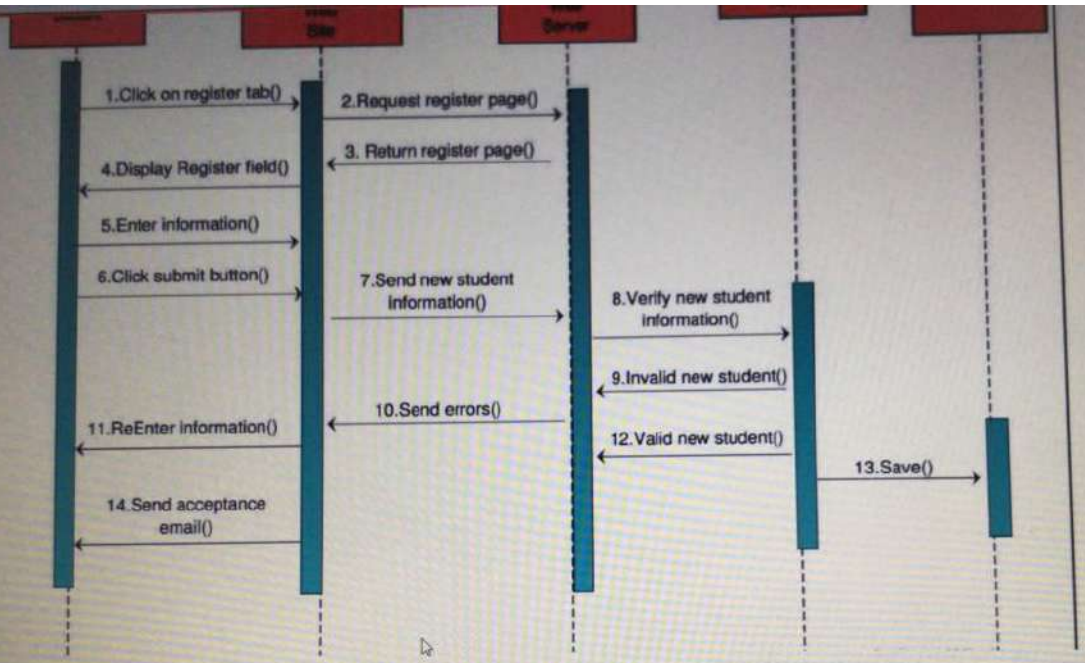
- I. After B2 state completes.
- II. event e1 occurs.
- III. one of the two final states are reached.
- IV. event e2 occurs
- V. the two orthogonal regions have reached their final states



Select one or more:

- [x] I. ON is a simple composite state.
- [x] II. play, rew and stop are actions.
- [ ] III. ON is a concurrent state
- [ ] IV. This state is invalid because it is not containing a final state.
- [x] V. ON is a super state.


netexam.sliit.lk
YouTube
Maps
Microsoft Learn | M...
HexaConvert | Conv...
Waterfall Model - C...
WireframePro - lwt...
OOC Preparation Q...
Examinations
Lockdown Browser
Practice Test
it20605902 Samarasinghe S.D it
Answer all questions.
uiz has been configured so that students may only attempt it using the Respondus LockDown Browser.
Attempts allowed: 1
This quiz opened at Monday, 30 August 2021, 11:30 AM
This quiz will close on Monday, 30 August 2021, 12:50 PM.
Time limit: 1 hour
Respondus LockDown Browser is required for this exam.
Download LockDown Browser | Check your LockDown Browser Setup
Launch LockDown Browser
Back to the course
0.00 kbit/s
1.01 kbit/s
ENG
11:38 AM
8/30/2021



Select one or more:

- [ ] I. Analyzing the diagram given above, as an analyst, you can add ALT tag after verifying students.
- [ ] II. The database cannot be taken as an object.
- [x] III. All the mentioned options are correct.
- [ ] IV. Student can be drawn as an actor, instead of the Object.
- [ ] V. Analyzing the diagram given above, as an analyst, you can add a Reference tag for the student login.

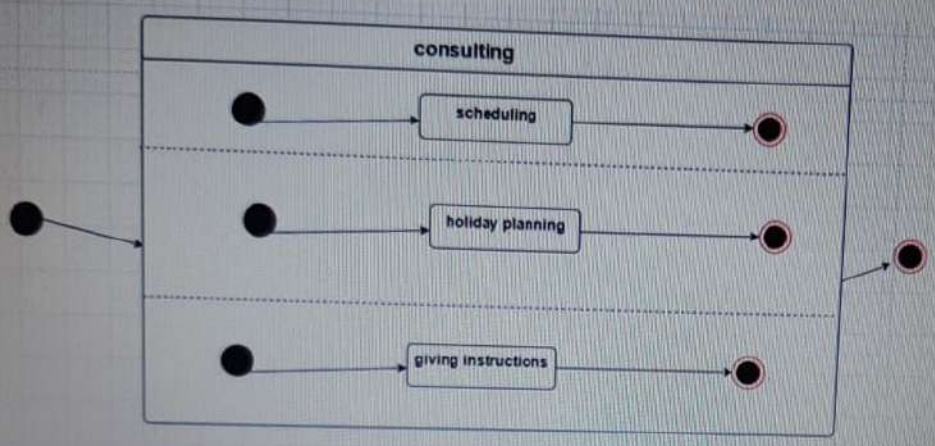
QUESTIONS

1 2 3 4 5
9 10 11 12 13
17 18 19 20 21
25 26 27 28 29

STUDENT FEEDBACK

31

Flag question



Select one or more:

- [ ] I. Consulting is completed when it has scheduled, holiday planned and given the instructions.
- [x] II. State can contain sub states.
- [ ] III. Consulting is an orthogonal composite state with three sequential states.
- [x] IV. Consulting is an orthogonal composite state with three parallel states.
- [ ] V. Consulting is a simple composite state with three parallel states.

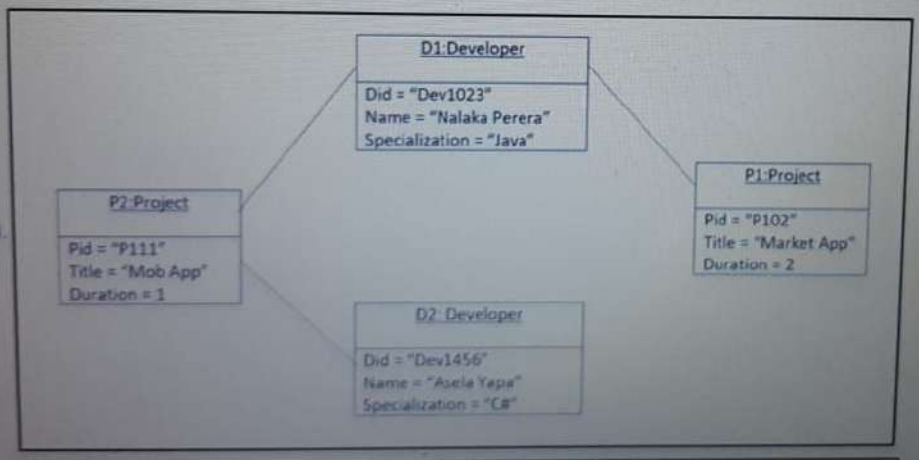
on 4
t answered
ed out of
ag question

Select the correct object diagram for the given class diagram.

Select one:

i. None of the answers are correct.

ii.



Quiz na

Finish attempt

Time left 0:44:

QUESTIONS

1 2 3
8 9 10
15 16 17
22 23 24
29 30
31

Sri Lanka Institute of Information Technology

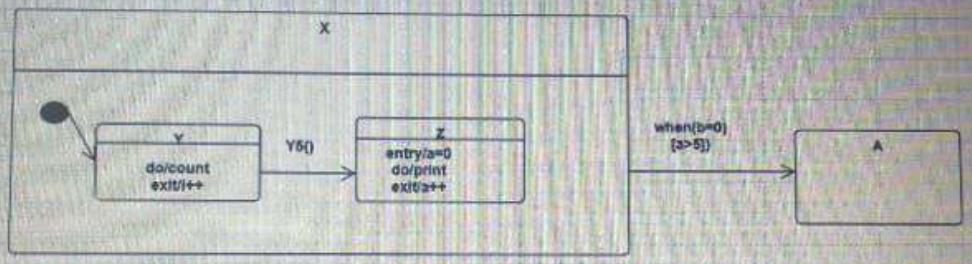
Question 6

Not yet answered

Marked out of 1.00

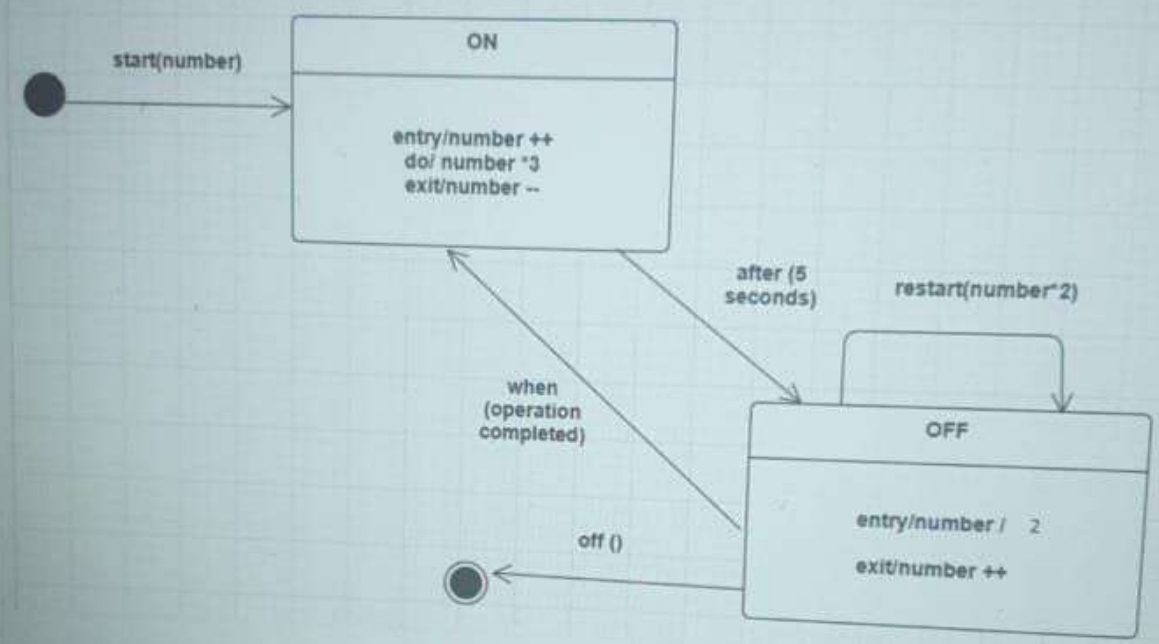
Flag question

You are given the following state machine diagram. When does a transition to state A occur?



Select one:

- I. As soon as all effects within states Y and Z are finished.
- II. As soon as the event a>5 occurs and the guard is evaluated to true.
- III. As soon as b=0
- IV. As soon as all effects within state Z are finished.
- V. As soon as b=0 and "a" exceeds the value 5.

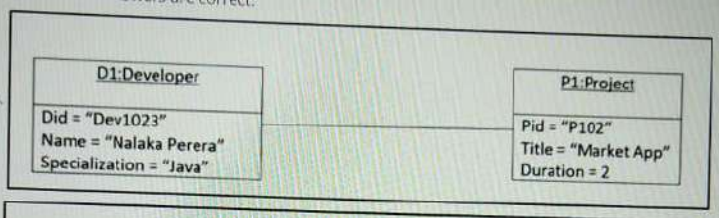


Select one:

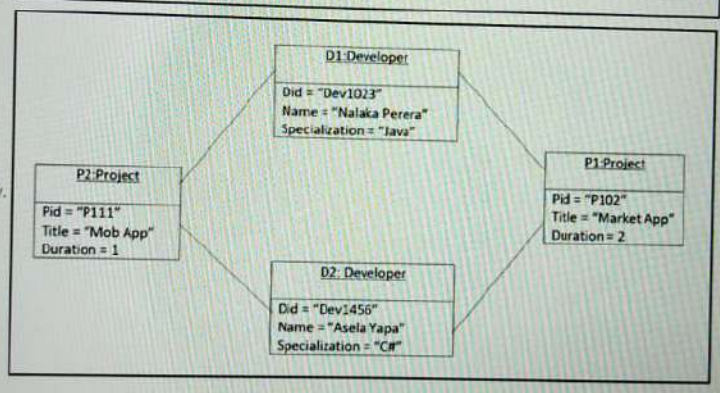
- I. number is 12
- II. number is 20
- III. number is 5
- IV. number is 6
- V. number is 21

iii. None of the answers are correct.

iv.



v.



Next page

ASUS VivoBook

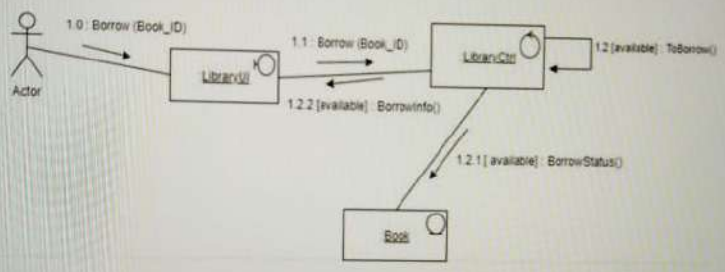
Question 3

Not yet answered

Marked out of 1.00

Flag question

What statement/s is/are **correct** regarding given communication diagram?



Select one or more:

- [x] I. There are no loop fragments in corresponding sequence diagram.
- [ ] II. Message 1.2.2 is repeating.
- [x] III. There is a Opt fragment in corresponding sequence diagram.
- [ ] IV. ToBorrow() message can execute even if the book is not available.
- [x] V. BorrowStatus() message is send only if the book is available.

Next page

Quiz navigation

Finish attempt ...

Time left 0:51:27

QUESTIONS

1 2 3 4 5

9 10 11 12 13

17 18 19 20 21

25 26 27 28 29

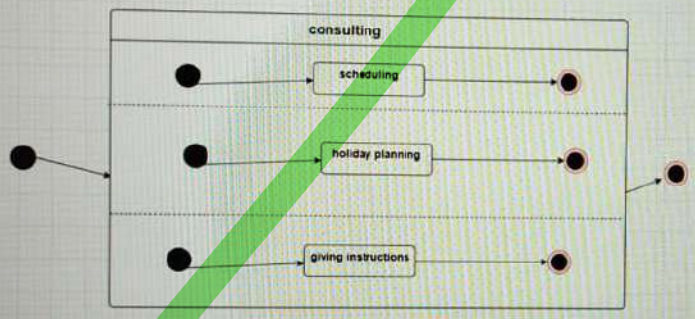
STUDENT FEEDBACK

31

Sri Lanka Institute of Information Technology

Question 2
Not yet answered
Marked out of 1.00
Flag question

Select the **correct** statement/s about the given partial state chart diagram.



Select one or more:

- [x] I. Consulting is an orthogonal composite state with three parallel states.
- [x] II. State can contain sub states.
- [ ] III. Consulting is completed when it has scheduled, holiday planned and given the instructions.
- [x] IV. Consulting is an orthogonal composite state with three sequential states.
- [ ] V. Consulting is a simple composite state with three parallel states.

Quiz navigat

Finish attempt ...

Time left 0:54:35

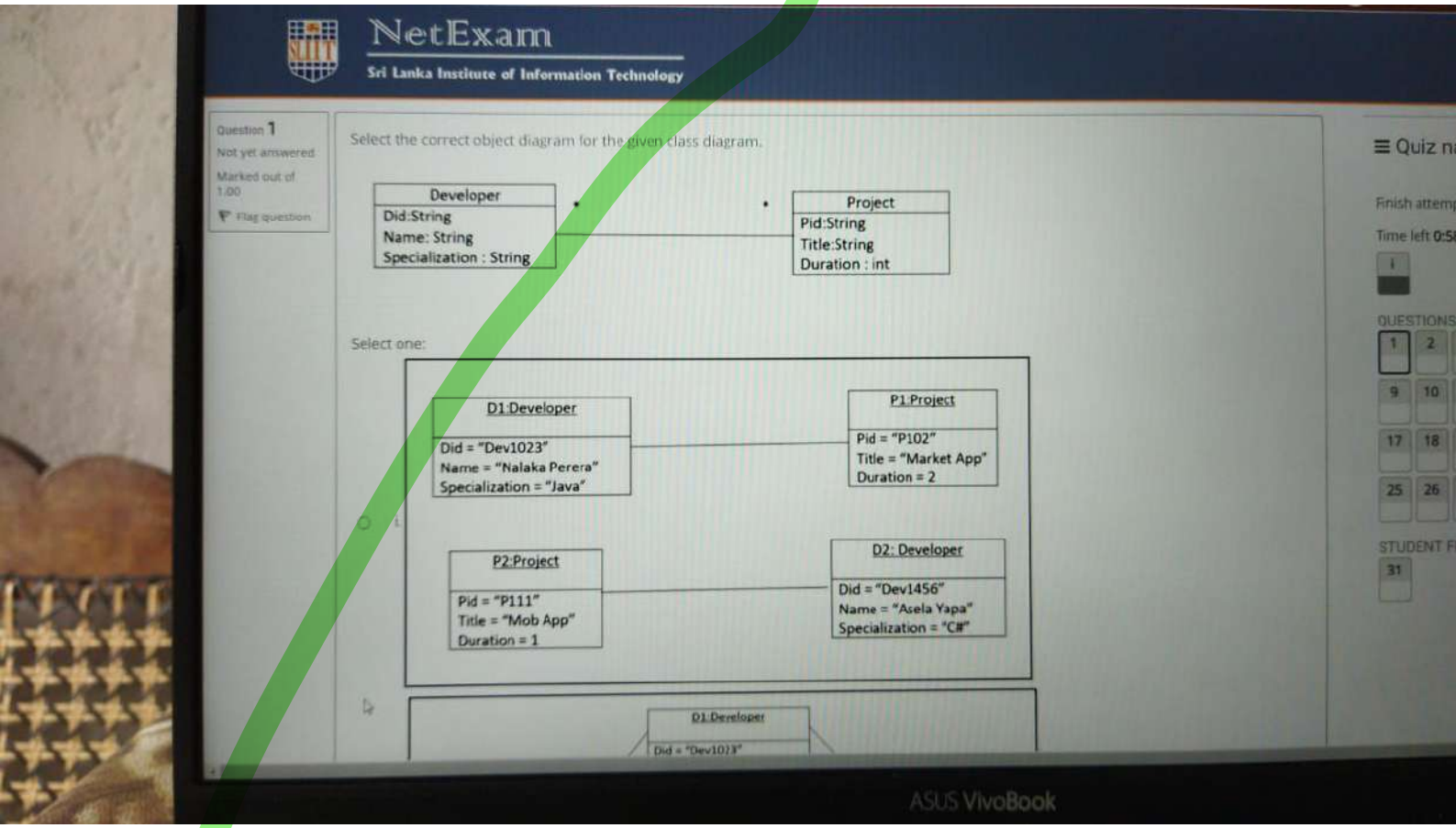
QUESTIONS

1 2 3 4
9 10 11 12
17 18 19 20
25 26 27 28

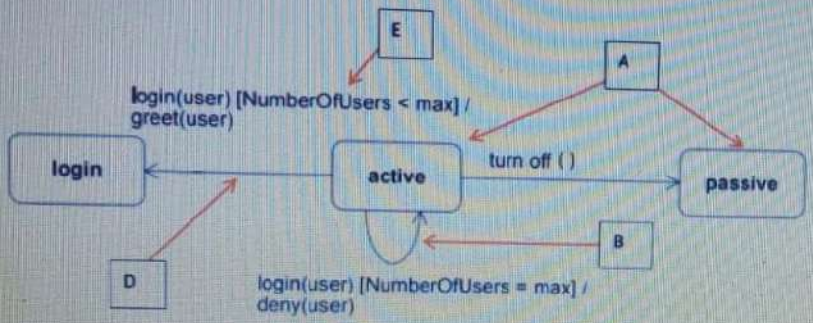
STUDENT FEEDBACK

31

Next page


NetExam
Sri Lanka Institute of Information Technology
Question 1
Not yet answered
Marked out of 1.00
Flag question
Select the correct object diagram for the given class diagram.
Developer
Did:String
Name: String
Specialization : String
Project
Pid:String
Title:String
Duration : int
Select one:
D1:Developer
Did = "Dev1023"
Name = "Nalaka Perera"
Specialization = "Java"
P1:Project
Pid = "P102"
Title = "Market App"
Duration = 2
P2:Project
Pid = "P111"
Title = "Mob App"
Duration = 1
D2: Developer
Did = "Dev1456"
Name = "Asela Yapa"
Specialization = "C#"
D1:Developer
Did = "Dev1023"
Quiz n
Finish attem
Time left 0:5
QUESTIONS
1
2
9
10
17
18
25
26
STUDENT F
31
ASUS VivoBook

Following is a partial state diagram.What symbols of state diagram A, B, D and E specify?



Select one:

- I. A- States , B - Self transitions , D - Transitions , E - Guard Condition
- II. A- States , B - Transitions , D - Self transitions , E - Guard Condition
- III. A- States , B - Self transitions , D - Transitions , E - Actions
- IV. A- Substates , B - Self transitions , D - Transitions , E - When [Condition]

odle

NetExam

Sri Lanka Institute of Information Technology

ion 10

et answered

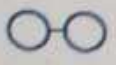
ed out of

lag question

What symbol represents the **decomposition** in a State Diagram?

Select one:

I. 

II. 

III. 

IV. 

NetExam

Sri Lanka Institute of Information Technology

Which of the following statement/s about state machine diagrams are **true?**

Select one or more:

- [ ] I. The do-activity starts inside the state and continues until either the activity is completed or the state is exited.
- [x] II. Internal behaviors trigger transitions.
- [x] III. do-activities within states cannot be aborted by any event.
- [ ] IV. An event triggering a transition that leaves the current state aborts the do-activity.
- [ ] V. Events trigger transitions.

NetExam

Sri Lanka Institute of Information Technology

on 5
t answered
d out of
g question

Which of the following statement/s about state machine diagrams is/are **true**?

Select one or more:

- [x] I. Internal behaviour compartment contains behaviours that they do not cause a change of state.
- [x] II. A state may be divided into regions containing sub-states that exist and execute concurrently.
- [x] III. Do-activities within states cannot be aborted by any event.
- [ ] IV. when(date=31.12.2007) is a so-called time event
- [x] V. The initial state has exactly one outgoing and any number of incoming transitions.

Next page

Sri Lanka Institute of Information Technology

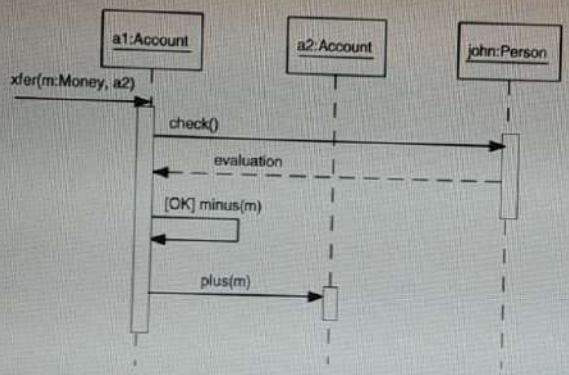
Question 9

Not yet answered

Marked out of 1.00

Flag question

Given the following diagram, which method(s) should be implemented for the Account Class?



Select one:

- I. xfer()
- II. xfer(), evaluation(), plus(), minus()
- III. check(), plus(), minus()
- IV. xfer(), plus(), minus()

Quiz navigation

Finish attempt ...

Time left 0:44:07

QUESTIONS

1 2 3 4
8 9 10 11
15 16 17 18
22 23 24 25
29 30

STUDENT FEEDBACK

31

Question 8

Not yet answered

Marked out of 1.00

Flag question

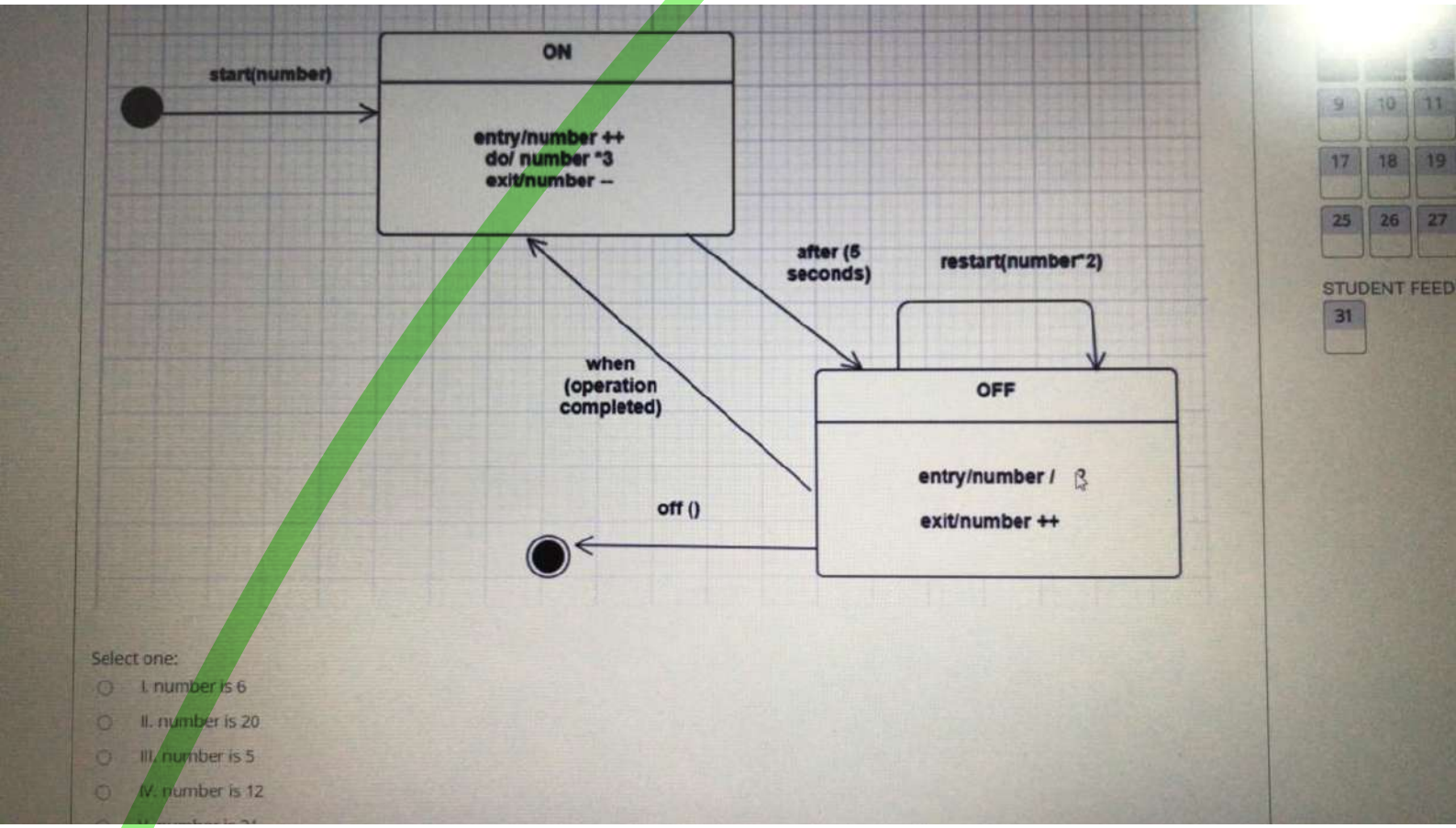
You want to model the following situation: A home delivery service has the two states wait and deliver. At the beginning, wait is active. As soon as a customer has ordered a product, a transition to deliver takes place. During the transition, the order is processed. deliver stays active until the product has been delivered to the customer, then a transition to wait happens.

How do you have to specify the transition from wait to deliver?

Select one:

- I. order received/process order
- II. [order received]/process order
- III. [order received]/order is processed
- IV. /process order
- V. order received [process order]

Next page

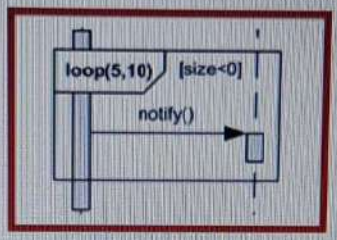


Select one:

- I. number is 6
- II. number is 20
- III. number is 5
- IV. number is 12

vered
of
stion

What is/are **true** with regards to the image shown below.



Select one or more:

- [ ] I. When size = -1, notify message can be executed 12 times.
- [ ] II. When size = -1, notify message should be executed.
- [x] III. When size = 1, loop terminates after executing notify message only 5 times.
- [ ] IV. The loop is expected to execute 5 times and no more than 10 times.
- [x] V. When size = 1, loop terminates regardless of the minimum number.

NetExam

Sri Lanka Institute of Information Technology

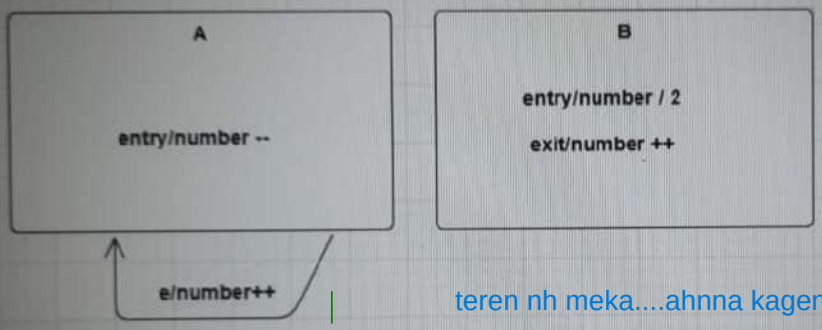
Question 11

Not yet answered

Marked out of 1.00

Flag question

Which of the following statement/s is/are **true** according to the given partial state diagram?



teren nh meka....ahnna kagenhri

Select one or more:

- [ ] I. In state A the entry-activity is executed every time the self-transition e occurs.
- [ ] II. Internal transitions behave like normal transitions except that they do not cause a change of state.
- [ ] III. The two images are equivalent.
- [ ] IV. The two images are not equivalent.
- [ ] V. In state B the entry-activity is executed only once.

NetExam

Sri Lanka Institute of Information Technology

it20166274

12

nswered

ut of

estion

In a chess game always white moves first. After that black can move and then white again. This can happen until black or white win the games, black or white draw the game or black or white lost the game.

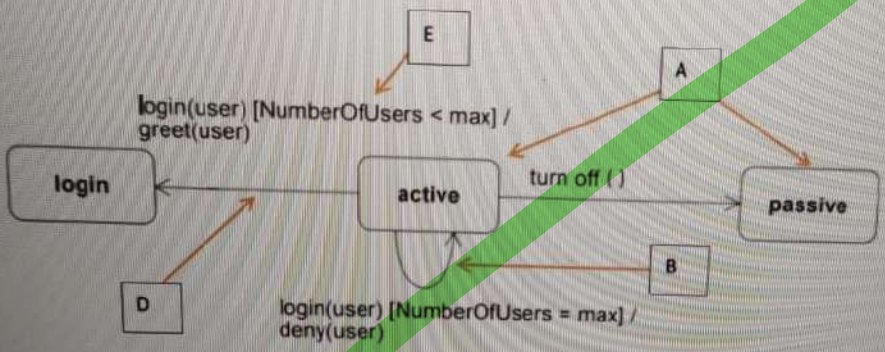
Identify the states of the chess game according to the given description.

Select one or more:

- [ ] I. Move, Win, Lost, Draw
- [ ] II. White move, Black move, White win, Black win, Draw
- [ ] III. White move, Black move, Start move, End move
- [ ] IV. White move, Black move, Win, Lost, Draw
- [ ] V. White move, Black move, Win, Lost

Next page

Following is a partial state diagram.What symbols of state diagram A, B, D and E specify?



Select one:

- I. A- States , B - Self transitions , D - Transitions , E - Actions
- II. A- States , B - Transitions , D - Self transitions , E - Guard Condition
- III. A- Substates , B - Self transitions , D - Transitions , E - When [Condition]
- IV. A- States , B - Self transitions , D - Transitions , E - Guard Condition

NetExam

Sri Lanka Institute of Information Technology

Which activities can be executed in a given state?

Select one:

- I. All of the mentioned.
- II. entry: activity is executed when the entering to the state.
- III. do: activity is executed while in the state.
- IV. exit: activity is executed when leaving the state.

Sri Lanka Institute of Information Technology

Which of the following statement/s about state machine diagrams is/are **true**?

Select one or more:

- [ ] I. Do-activities within states cannot be aborted by any event.
- [ ] II. when(date=31.12.2007) is a so-called time event
- [ ] III. A state may be divided into regions containing sub-states that exist and execute concurrently.
- [ ] IV. The initial state has exactly one outgoing and any number of incoming transitions.
- [ ] V. Internal behaviour compartment contains behaviours that they do not cause a change of state.

Next

Sri Lanka Institute of Information Technology

Which of the following difference/s between class diagrams and object diagrams is/are **true**?

Select one or more:

- [ ] i. Class diagrams describe a system on type level, object diagrams on instance level.
- [ ] ii. Both class diagram and object diagram model for the whole system.
- [ ] iii. Class diagrams model the structure of a system; object diagrams model the dynamic view.
- [ ] iv. Both diagram types are used for modeling the structural aspects of a system.
- [ ] v. Object notation does not have a method compartment.

NetExam

Sri Lanka Institute of Information Technology

Which of the following statement correctly describes the **internal activities** in a **Behaviors compartment?**

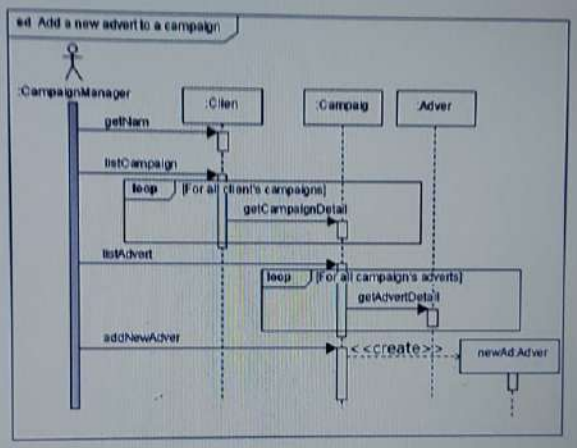
elect one:

- I. This compartment holds a list of internal Behaviors associated with a state.
- II. None of the mentioned.
- III. The entry actions can be interrupted.
- IV. When drawing state diagrams it always required to show the Behaviors compartment.

Moodle

Question 1
Not yet answered
Marked out of 1.00
Flag question

Which of the following statement/s is/are **true** about the given diagram?



Select one or more:

- [ ] i. After getting the list of adverts the loop will iterate only for the selected adverts.
- [x] ii. After getting the list of campaigns the loop will iterate for all the listed client campaign.
- [ ] iii. The diagram does not instantiate a new object.
- [x] iv. After getting the list of adverts the loop will iterate for all the listed adverts.
- [ ] v. After getting the list of campaigns the loop will iterate only for the selected client campaign.

Quiz navigation

Finish attempt ...

Time left 0:57:32

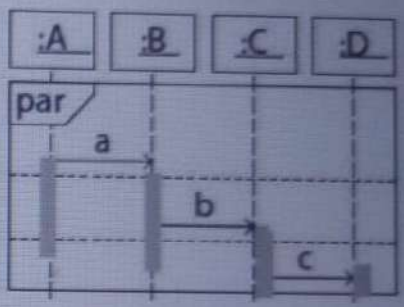
QUESTIONS

1 2 3 4 5
9 10 11 12 13
17 18 19 20 21
25 26 27 28 29

STUDENT FEEDBACK

31

You are given the following sequence diagram. Which **traces** of messages are possible?



Select one or more:

- [ ] I. b → c → a
- [ ] II. a → b → c
- [ ] III. b → a → c
- [ ] IV. None of the traces are possible

NetExam

Sri Lanka Institute of Information Technology

Question 30

Not yet answered

Marked out of 1.00

Flag question

Which of the following properties **apply** to the loop fragment of a Sequence Diagram?

Select one or more:

- [x] I. Loop can be used to refer other sequence diagrams
- [ ] II. The definition of a minimum and maximum number of iterations is optional.
- [ ] III. The minimum and maximum number of iterations may be defined.
- [ ] IV. Loops can only be used within Par fragments.

Next page

Sri Lanka Institute of Information Technology

30
nswered
out of
question

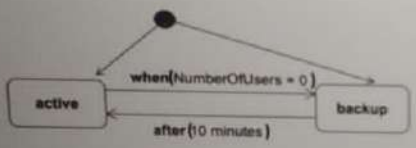
What diagram best describes the following situation?

ATM Object is initially in the active state. At a time when there are no users performing transactions, it will go to backup state. From backup after 10 minutes duration it will again move to active state.

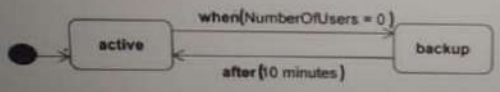
mekat prshnyk

Select one:

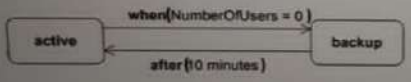
I.



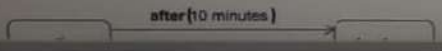
II.



III.



IV.



Quiz navig

Finish attempt ...

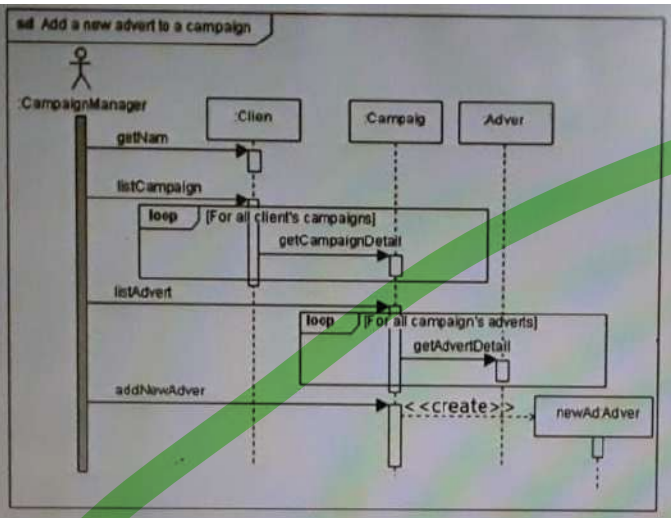
Time left 0:02:15

QUESTIONS

1 2 3 4
9 10 11 12
17 18 19 20
25 26 27 28

STUDENT FEEDBACK

31



Select one or more:

- i. After getting the list of campaigns the loop will iterate only for the selected client campaign.
- ii. After getting the list of campaigns the loop will iterate for all the listed client campaign.
- iii. After getting the list of adverts the loop will iterate only for the selected adverts.
- iv. The diagram does not instantiate a new object.
- v. After getting the list of adverts the loop will iterate for all the listed adverts.

Finish attempt ...

Time left 0:09:01

QUESTIONS

1 2 3 4

9 10 11 12

17 18 19 20

25 26 27 28

31

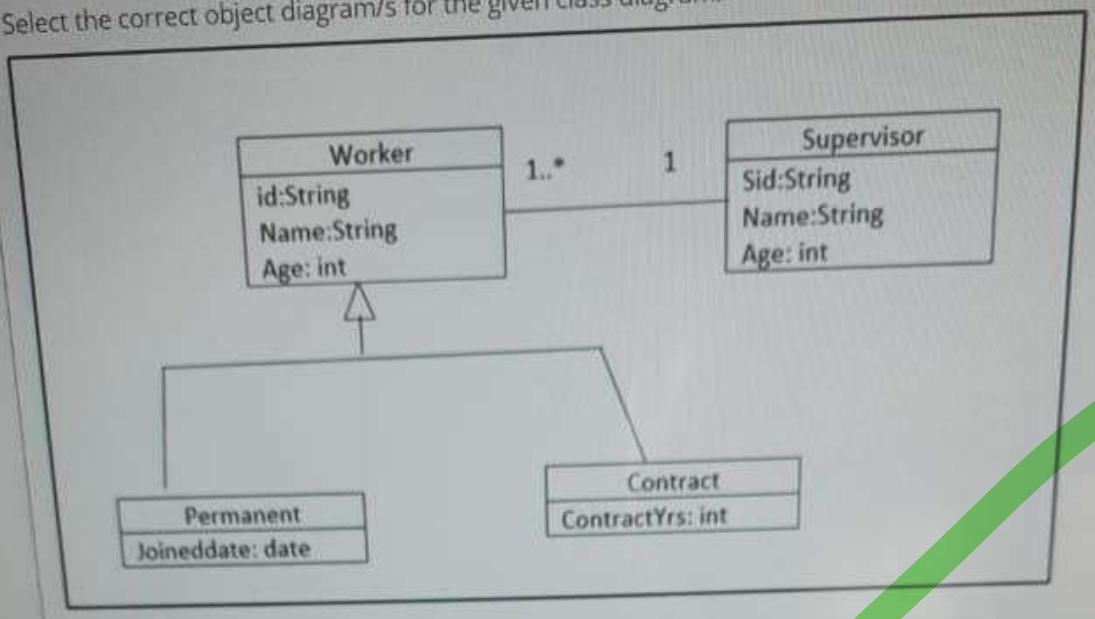
12

nswered

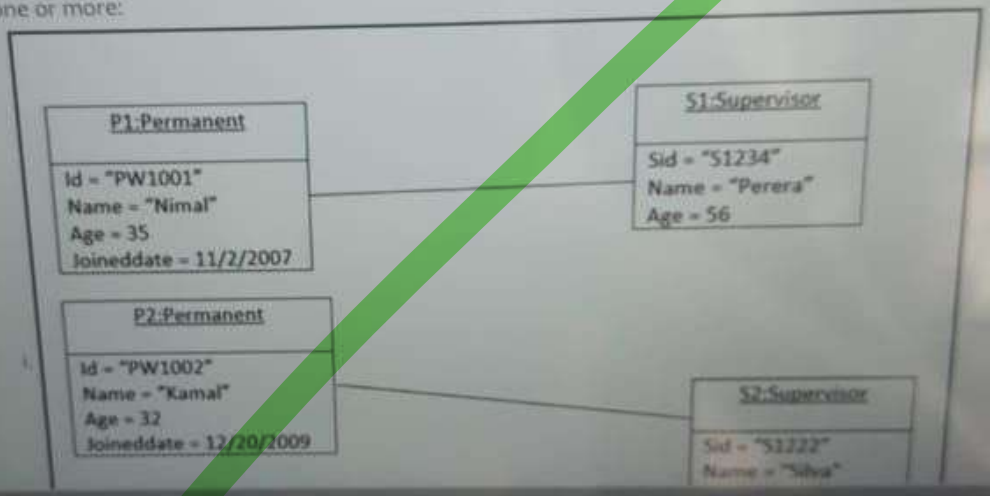
out of

question

Select the correct object diagram/s for the given class diagram.



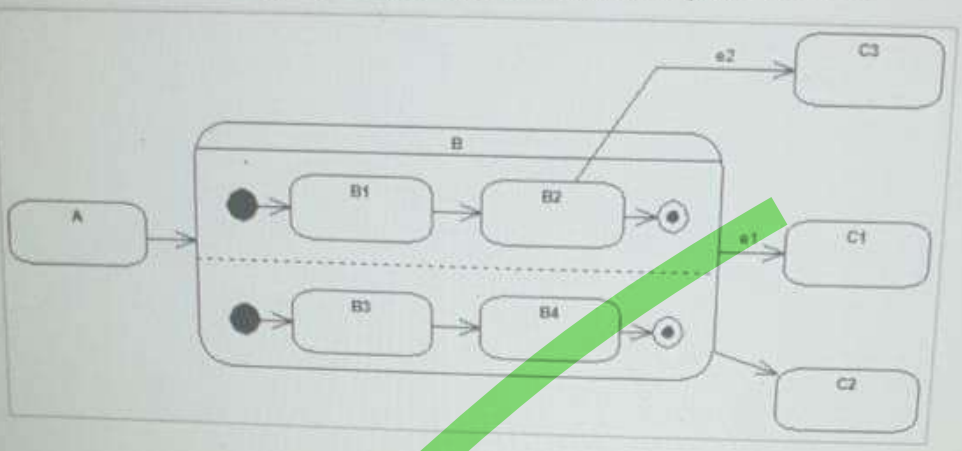
Select one or more:



NetExam

Sri Lanka Institute of Information Technology

You are given the following state machine diagram. B is definitely left if.....



Select one or more:

- i. event e2 occurs
- ii. the two orthogonal regions have reached their final states.
- iii. After B2 state completes.
- iv. one of the two final states are reached.
- v. event e1 occurs.

Question 22

Not yet answered

Marked out of 1.00

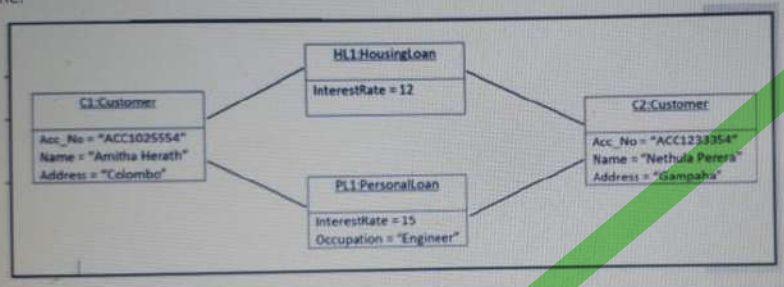
Flag question

"ABC" bank is offering two types of loans to its customers. They are Personal loans and Housing loans. Customers need to provide their Account number, name and address to apply for the loan. Each loan is having its own interest rate. Only people with a job can apply for a personal loan. So, Personal loans request occupation details as well. If eligible, a customer can get maximum two loans and those two loans cannot be in the same type. Also, a loan can issue only for a single customer.

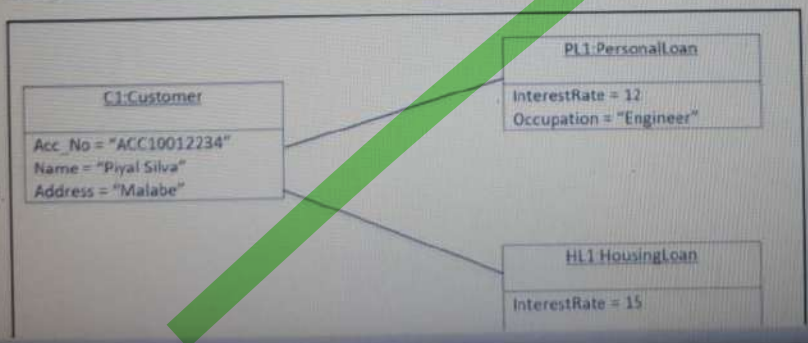
What is the **correct** object diagram according to the above scenario?

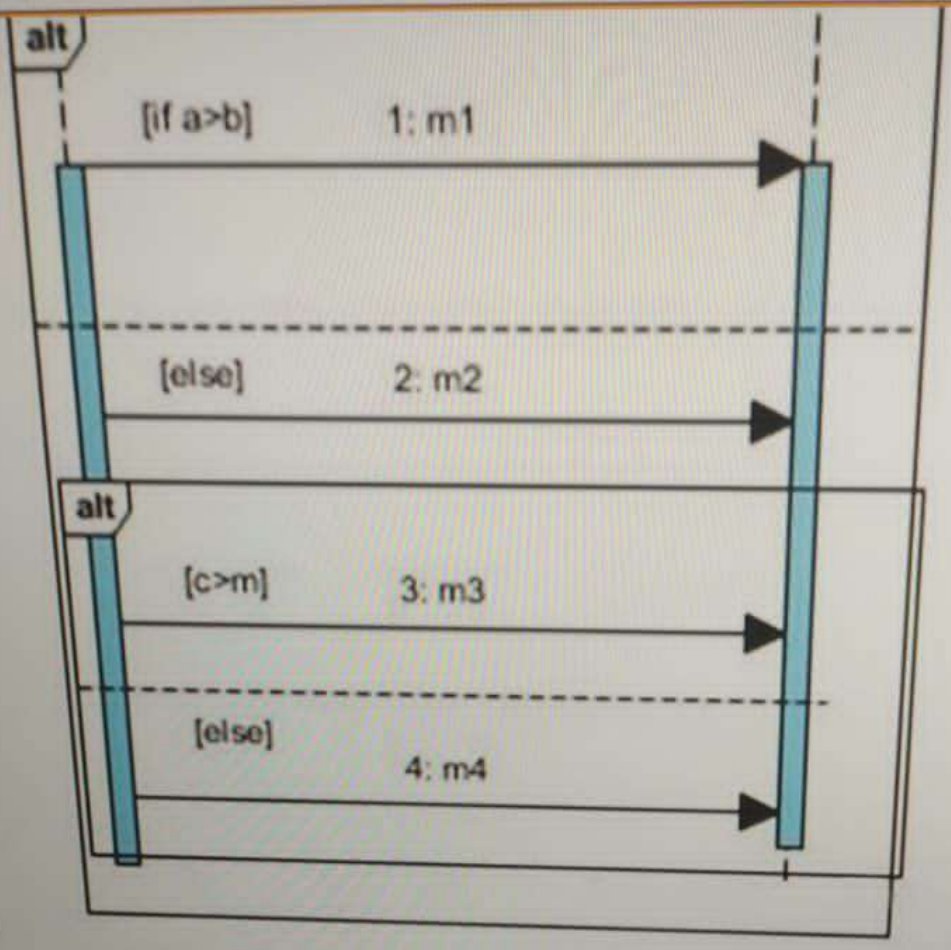
Select one:

i.



ii.





Select one or more:

- [x] i. If A= 100, B=30, C= 10, M=50 actions which will execute are M2 and M4
- [ ] ii. If A= 10, B=30, C= 10, M=50 actions which will execute are M2 and M4
- [ ] iii. If A= 15, B=30, C= 10, M=50 actions which will execute are M2 and M3
- [ ] iv. If A= 10, B=30, C= 80, M=50 actions which will execute are M2 and M3
- [ ] v. If A= 10, B=30, C= 100, M=50 actions which will execute are M2 and M4

NetExam

Sri Lanka Institute of Information Technology

on 27
t answered
d out of
ag question

Which statement/s is/are **correct** regarding the object diagram?

Select one or more:

- [x] i. String values of the objects must indicate using double quotes.
- [ ] ii. Objects can be named or anonymous.
- [x] iii. Object must have an object name.
- [ ] iv. Methods are used in the object diagram.
- [ ] v. We can declare objects without a class.

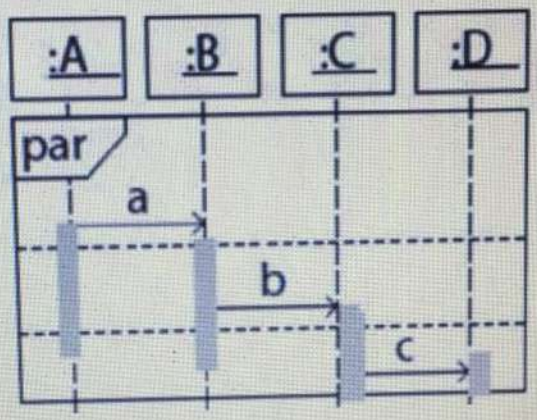
Question 13

Not yet answered

Marked out of 1.00

Flag question

Which of the following statement/s is/are **true** about the given diagram?



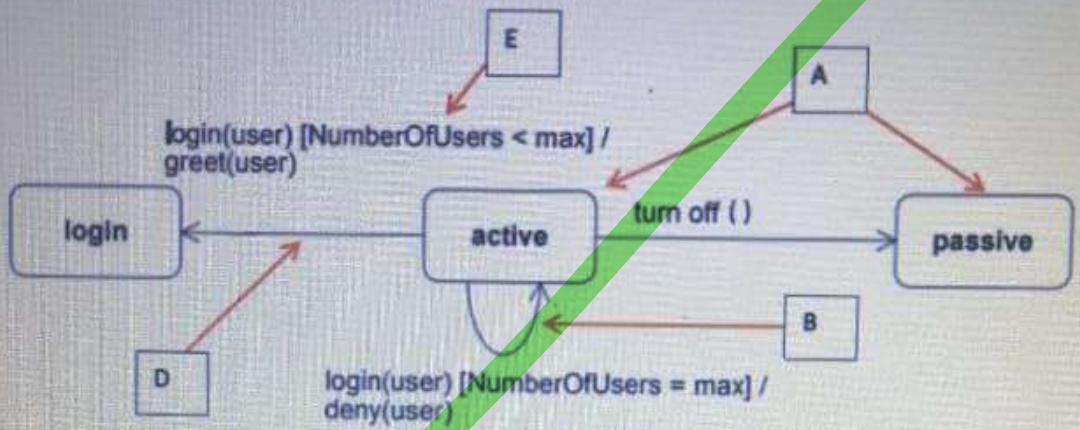
Select one or more:

- i. The traces of messages can be a, a, b, c
- ii. The traces of messages can be a, b, c
- iii. The traces of messages can be c, b, a
- iv. The traces of messages can be a, c, b, c
- v. The traces of messages can be a, c, b

NetExam

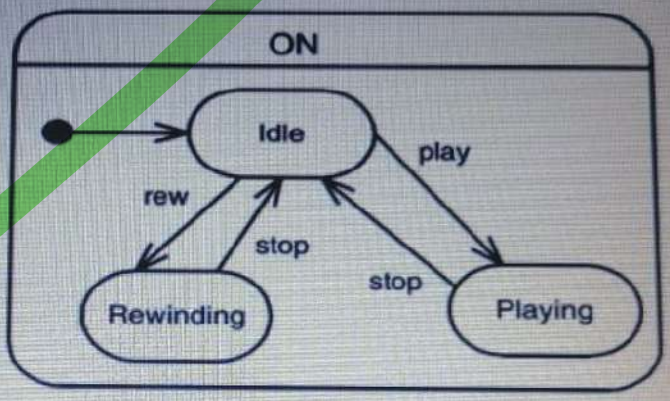
Sri Lanka Institute of Information Technology

Following is a partial state diagram.What symbols of state diagram A, B, D and E specify?



Select one:

- I. A- States , B - Transitions , D - Self transitions , E - Guard Condition
- II. A- Substates , B - Self transitions , D - Transitions , E - When [Condition]
- III. A- States , B - Self transitions , D - Transitions , E - Actions
- IV. A- States , B - Self transitions , D - Transitions , E - Guard Condition



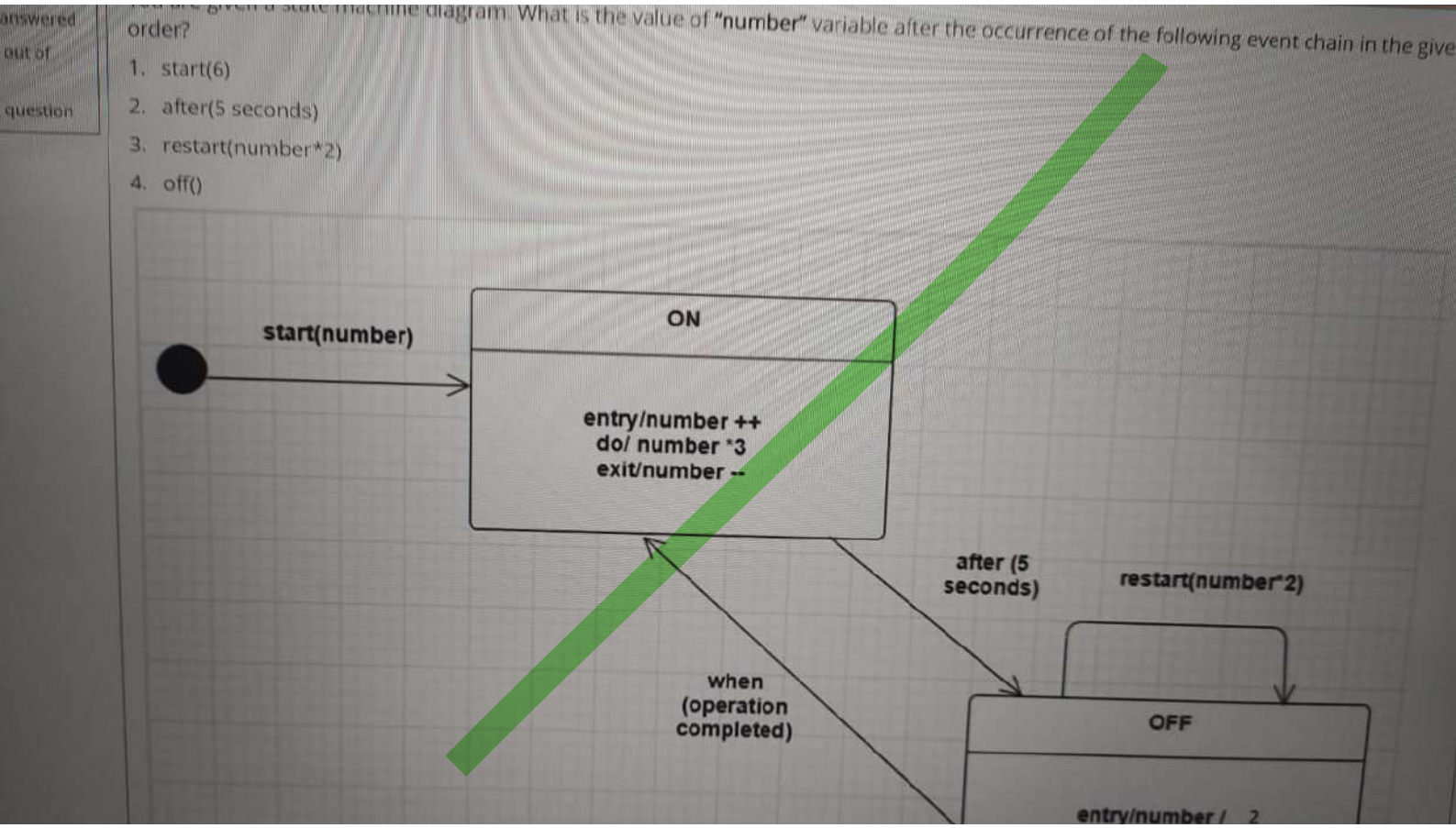
Select one or more:

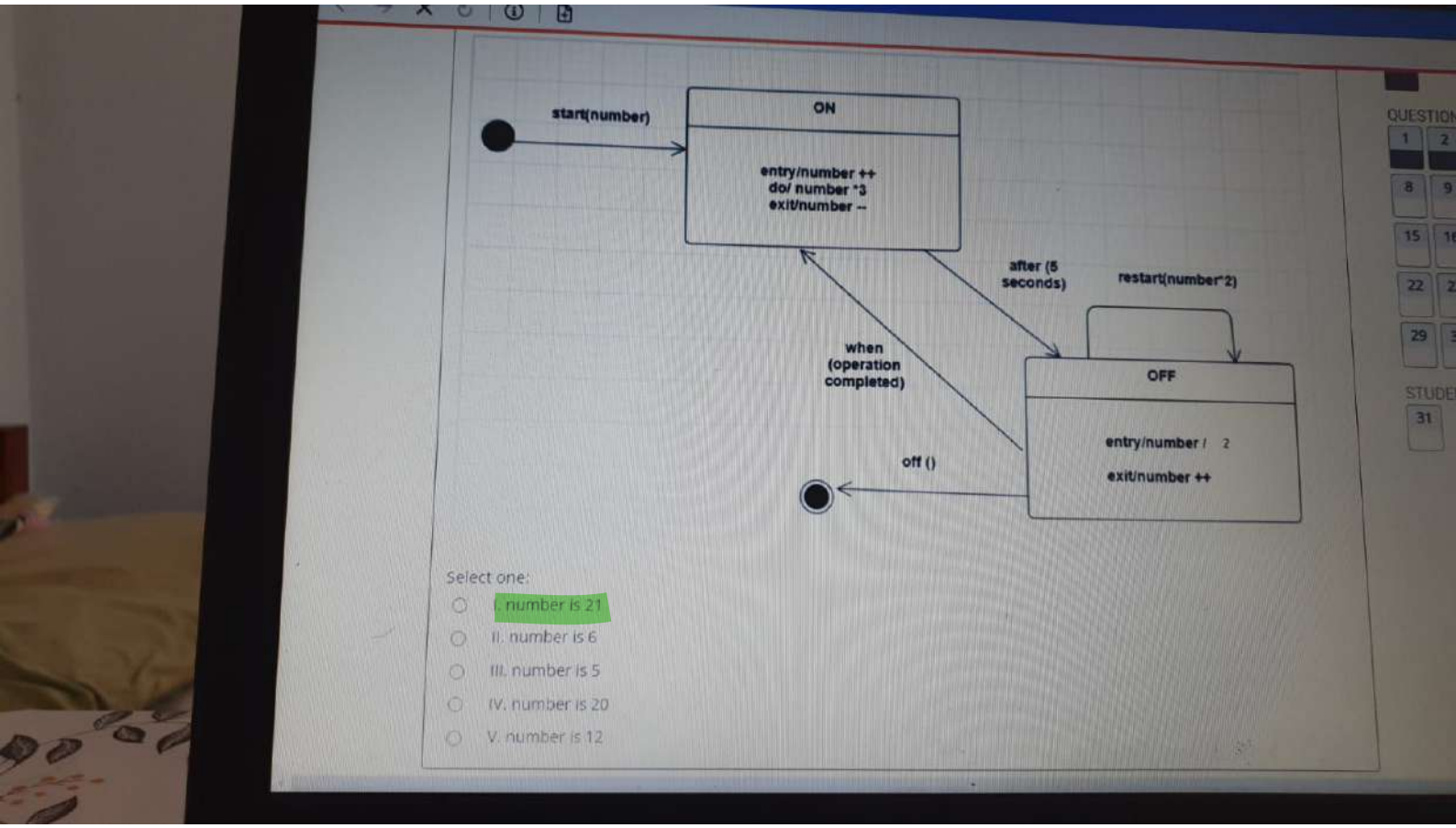
- [ ] I. ON is a concurrent state
- [ ] II. ON is a simple composite state.
- [ ] III. ON is a super state.
- [ ] IV. play, rew and stop are actions.
- [ ] V. This state is invalid because it is not containing a final state.

answered
out of
question

order?

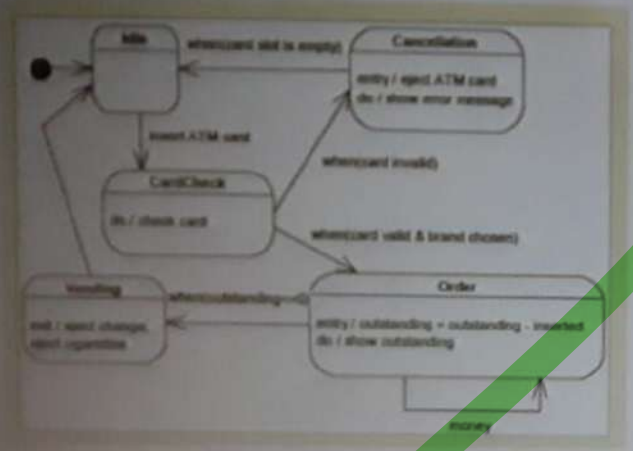
1. start(6)
2. after(5 seconds)
3. restart(number*2)
4. off()





Select one:

- I. number is 21
- II. number is 6
- III. number is 5
- IV. number is 20
- V. number is 12



Select one or more:

i. As soon as change and cigarettes have been ejected, Idle becomes the next active state.

ii. The machine has a transition from Vending to Idle. It would also be possible to model a transition from Vending to the initial state (which directly links further to Idle).

iii. If CardCheck is active and the card is valid, Order immediately becomes the next active state.

iv. After the customer has inserted enough money into the machine, a transition to Order takes place.

v. After the customer has inserted enough money into the machine, a transition to Vending takes place.

NetExamn

Sri Lanka Institute of Information Technology

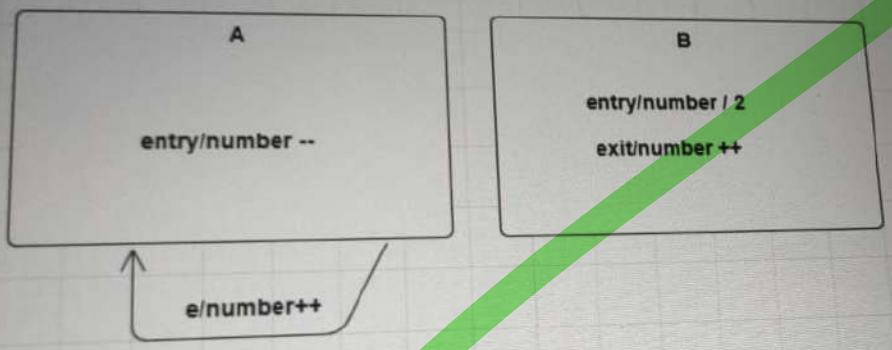
Which statement/s is/are correct regarding the object diagram?

Select one or more:

- [ ] i. In an object diagram, attributes are associated with values.
- [ ] ii. Entire class diagram is represented in a single object diagram.
- [ ] iii. It is a structural diagram.
- [ ] iv. It is a structural diagram as well as a behavioral diagram.
- [ ] v. Object diagram shows a snapshot of a detailed state of a system.

Sri Lanka Institute of Information Technology

Which of the following statement/s is/are **true** according to the given partial state diagram?



Select one or more:

- [ ] I. The two images are not equivalent.
- [ ] II. Internal transitions behave like normal transitions except that they do not cause a change of state.
- [ ] III. In state A the entry-activity is executed every time the self-transition e occurs.
- [ ] IV. The two images are equivalent.
- [ ] V. In state B the entry-activity is executed only once.

Sri Lanka Institute of Information Technology

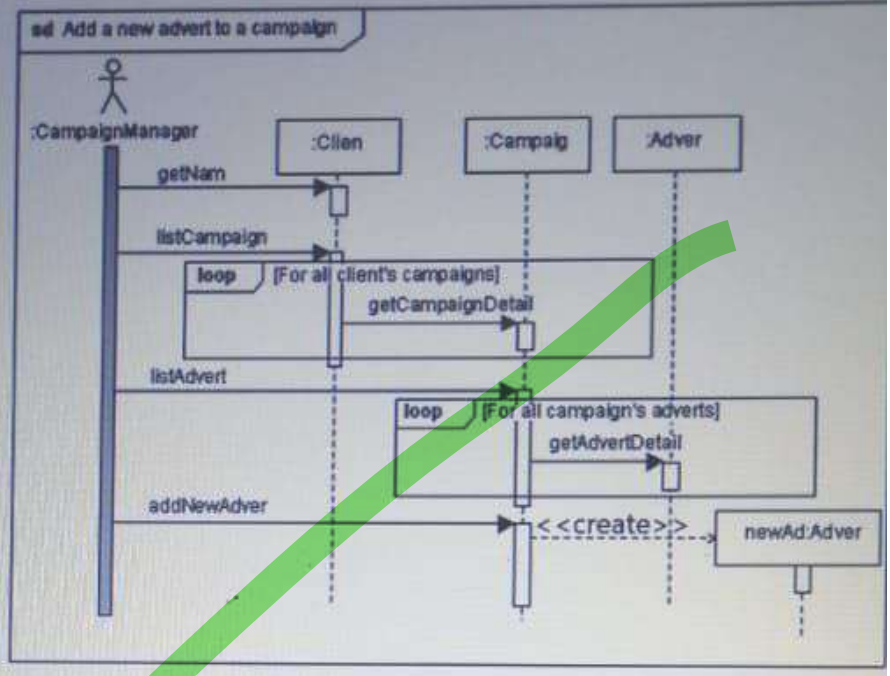
Which of the following statement is **true** about Sequence Diagrams?

Select one:

- I. A sequence diagram can be only referenced when ALT and Opt is presented.
- II. A sequence diagram containing an interaction fragment may be referenced by one or more sequence diagrams.
- III. A sequence diagram containing an interaction fragment may be referenced by only one sequence diagram.
- IV. A sequence diagram containing an interaction fragment may never be referenced by another sequence diagram.

Next page

Which of the following statement/s is/are **true** about the given diagram?



Select one or more:

- i. After getting the list of adverts the loop will iterate only for the selected adverts.
- ii. After getting the list of campaigns the loop will iterate for all the listed client campaign.
- iii. The diagram does not instantiate a new object.
- iv. After getting the list of campaigns the loop will iterate only for the selected client campaign.
- v. After getting the list of adverts the loop will iterate for all the listed adverts.