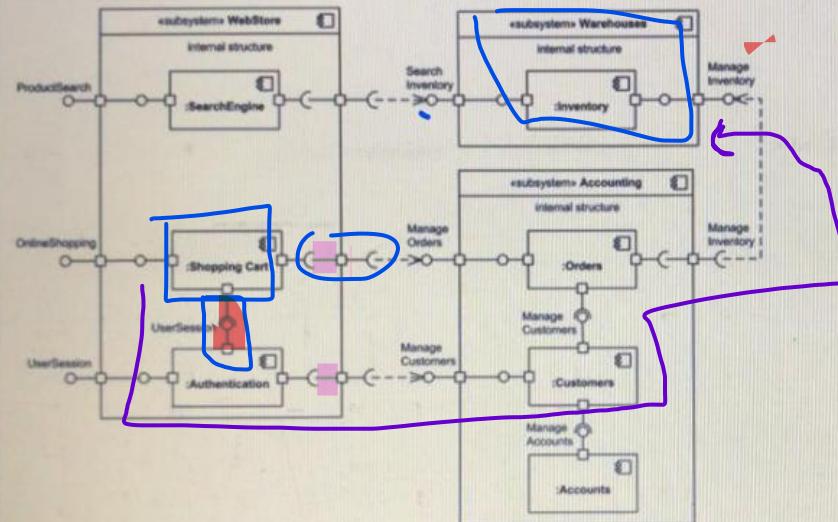


Question 50  
Not yet answered  
Marked out of 2.0  
 Flag question

Consider the given physical diagram. Then drag and drop correct answers to appropriate places.



The Webstore component has 3 subcomponents. The Warehouses subsystem user can access SearchEngine through  provided interface of Inventory component. Shopping cart sub component of the WebStore subsystem uses  Delegation connectors and  Assembly connectors to connect with Warehouses subsystem.

required

### Quiz navigation

Finish attempt ...

Time left 0:01:11

#### MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

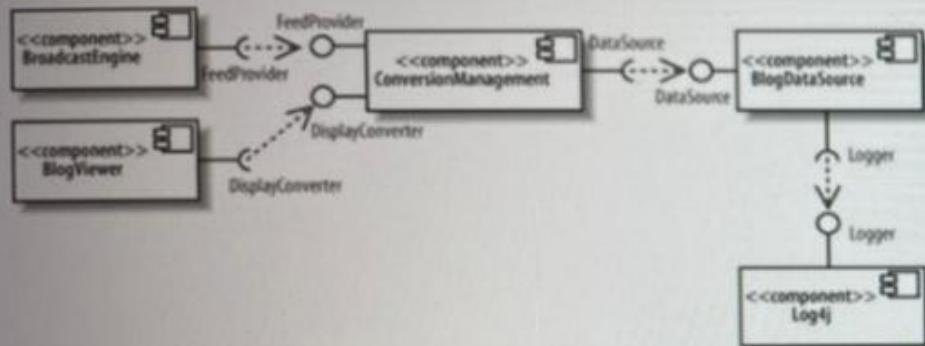
#### STRUCTURED QUESTIONS

31	32	33	34	35	36	37
38	39	40	41	42	43	44
45	46	47	48	49	50	

#### COMMENTS AND CONCERNs

51

Consider the given physical diagram. Then drag and drop correct answers to appropriate places.



"ConversionManagement" component has one provided interface and  required interfaces. "Log4j" component implements "Logger" interface which used by  component.  component uses  interface provided by "ConversionManagement" component

[Next page](#)

Read the scenario and select the correct answer from drop down.

Online payment system facilitates their users to use credit/debit card to do ordering transactions easily. When someone enters the card details into the payment system, the system sends a message to the payment gateway to verify the given customer information. There the payment gateway will authenticate the given information and accept or deny the given information. If the information denied, the user can enter the details in another two attempts and all the attempts will be verified. If all attempts get failed, then the card state will be set to hold so, the customer will not be able to do any further transactions. Once the authentication is successful, then the required amount will be deducted and payment notification will be send to the customers' mobile number.

What is the best state representation can be used to illustrate the authentication process?

Orthogonal Composite State ✓

If you have assigned to model the state diagram, select the correct transition used to check the number of card attempts?

When() Transition ✓

Next page

Ac

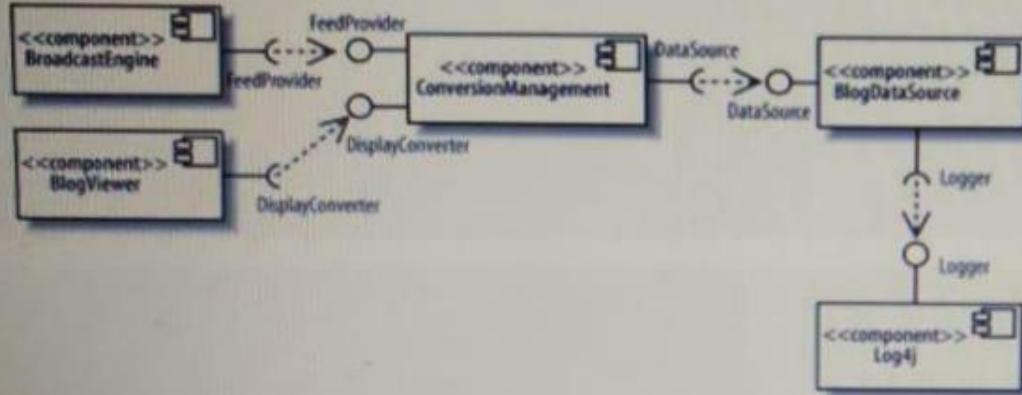
Question 33

yet answered

0 out of 2.0

Flag question

Consider the given physical diagram. Then drag and drop correct answers to appropriate places.



"ConversionManagement" component has one provided interface and  one ✓ required interfaces. "Log4j" component implements "Logger" interface which used by  BlogDataSource component.  BlogViewer ✓ component uses  DisplayConverter interface provided by "ConversionManagement" component

 two

A Home automation system known as "Smart-Home" includes a Light controlling System that adjust the lighting level monitoring the intensity level. When it's the 6.00 a.m., automatically the controlling system will change to off and when it's 6.00 p.m. automatically it will set to on. There, the lighting level of the system initially set to low level. Gradually, when the nightfall it will change the lighting level to medium. If the user needs, he/she can use voice commands to change the light level if required. If user informs "High", the system needs to verify the input command and change it state accordingly. When the residents are leaving from home, the user can give command to off all the lights inside the house, where the system will only monitor the lights outdoor.

What the State transition can used to represent the Voice command when leaving the house?

Select the correct internal behavior of the controller, when the system automatically set to on?

when (condition) [Guard Condition] / Action

When(Command Received) [ command == off ] / TurnOff\_lights() ✓

Entry / Set Controller On, Do / Monitor the intensity ↓ ✓

Next page

Finish attempt

Time left 0:47:2

MULTIPLE CHOICE

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

STRUCTURE

31	32	33
38	39	40
41	42	43

Select the statement/s that is/are true about Deployment diagram.

Select one or more:

- i. Execution environment resides on a particular device indicate by placing
- ii. Links between nodes are called as connections.
- iii. Disk drivers and execution environments are software nodes.
- iv. A node is drawn as a rectangle with its type written inside.
- v. Nodes are consists of hardware units only.



Which of the following/s is/are the main parts of component diagram?

Select one or more:

- i. Components
- ii. Interfaces
- iii. Protocols
- iv. Object
- v. Relationship between interfaces



Section 12

Not yet answered

Marked out of 1.0

Flag question

Select the statement/s that is/are **true** about Deployment diagram.

Select one or more:

- i. Nodes are consists of hardware units only.
- ii. Disk drivers and execution environments are software nodes.
- iii. Execution environment resides on a particular device indicate by placing the nodes inside one another, nesting them.
- iv. Links between nodes are called as connections.
- v. A node is drawn as a rectangle with its type written inside.

nodes consist of 3 types- Hardware nodes and software nodes

Disk driver is a hardware node.

Nodes are drawn as cubes.

Next page



# NetExam

Sri Lanka Institute of Information Technology

Question 8

Not yet answered  
Marked out of 1.0  
Flag question

Select the statement/s that is/are **true** about Deployment diagram.

Select one or more:

- i. Nodes are consists of hardware units or software environments.
- ii. Links between nodes indicate the flow of data.
- iii. Execution environment resides on a particular device indicate by placing the nodes inside one another, nesting them.
- iv. Disk drivers and execution environments are software nodes.
- v. A node is drawn as a rectangle with its type written inside.

nodes consist of 3 types- Hardware nodes and software nodes

Disk driver is a hardware node.

Nodes are drawn as cubes.

6

answered  
1 out of 1.0

question

Which of the following statement/s, is/are **true** related to "Provided Interfaces" of a Component Diagram?

"needs to function" - required interface

"services provided by the component" / "component realizes"- provided interface.

Select one or more:

- i. It is an interface that the component needs to function. ✗
- ii. A component's provided interface describes the services provided by the component. ✓
- iii. Is shown using a "lollipop" notation.
- iv. Is shown using a "ball" notation.
- v. It is an interface that the component realizes.

**Question 35**

Not yet answered

Marked out of 2.0

Flag question

Read the scenario and select the correct answer from drop down.

Online payment system facilitates their users to use credit/debit card to do ordering transactions easily. When someone enters the card details into the payment system, the system sends a message to the payment gateway to verify the given customer information. There the payment gateway will authenticate the given information and accept or deny the given information. If the information denied, the user can enter the details in another two attempts and all the attempts will be verified. If all attempts get failed, then the card state will be set to hold so, the customer will not be able to do any further transactions. Once the authentication is successful, then the required amount will be deducted and payment notification will be send to the customers' mobile number.

If you have assigned to model the state diagram, select the correct transition used to check the number of card attempts?

What is the best state representation can be used to illustrate the authentication process?

- 
- 
- Hidden Decomposition State
- Self-Transition
- When() Transition **2**
- Use Do Internal Behavior
- Simple Composite State
- After() Transition
- Nested State
- Orthogonal Composite State **1**

**≡ Quiz navigation**[Finish attempt ...](#)Time left **0:19:43****MULTIPLE CHOICE QUESTIONS**

1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30				

**STRUCTURED QUESTIONS**

31	32	33	34	35	36
38	39	40	41	42	43

43

answered  
out of 2.0  
question

Read the scenario and select the correct answer from drop down.

A Home automation system known as "Smart-Home" includes a Light controlling System that adjust the lighting level monitoring the intensity level. When it's the 6.00 a.m., automatically the controlling system will change to off and when it's 6.00 p.m. automatically it will set to on. There, the lighting level of the system initially set to low level. Gradually, when the nightfall it will change the lighting level to medium. If the user needs, he/she can use voice commands to change the light level if required. If user informs "High", the system needs to verify the input command and change it state accordingly. When the residents are leaving from home, the user can give command to off all the lights inside the house, where the system will only monitor the lights outdoor.

Select the correct internal behavior of the controller, when the system automatically set to on?

What the State transition can used to represent the Voice command when leaving the house?

Choose... 

Choose...

When(Voice command == off )  
Entry/ Light On. Do/ Monitor the intensity  
Turn\_off() [voice\_command == off ]  
Entry / Set Intensity to Low. Do/ Monitor the intensity  
Entry / Set Controller On. Do / Monitor the intensity 2  
When(Command Received) [ command == off ] / TurnOff\_lights0

≡ Quiz navigation

### Finish attempt...

Time left 0:09:21

**MULTIPLE CHOICE QUESTIONS**

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

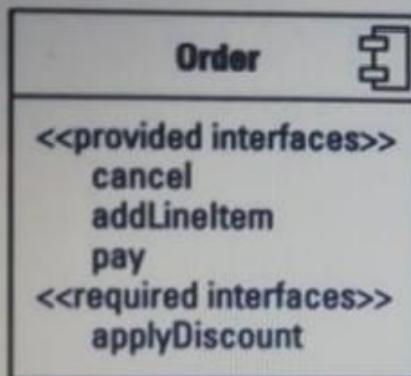
**Question 44**

Not yet answered

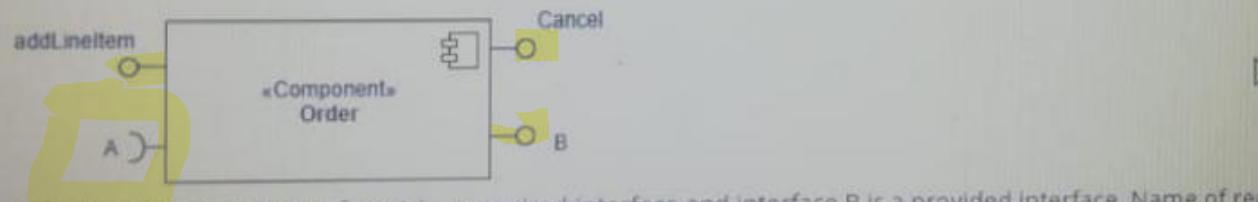
Marked out of 2.0

Flag question

Below is white box view of interfaces of Order component.



Identify the **correct** names of the interfaces in the component diagram related to it. Drag and drop correct answers to appropriate places.



In the given component Interface A is a required interface and interface B is a provided interface. Name of required interface A is  and Name of the provided interface B is

addLineItem  Discount  Cancel  applyDiscount  pay

**≡ Quiz navigation**

Finish attempt ...

Time left 0:06:58

**MULTIPLE CHOICE QUESTIONS**

1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30				

**STRUCTURED QUESTIONS**

31	32	33	34	35	36
38	39	40	41	42	43
45	46	47	48	49	50

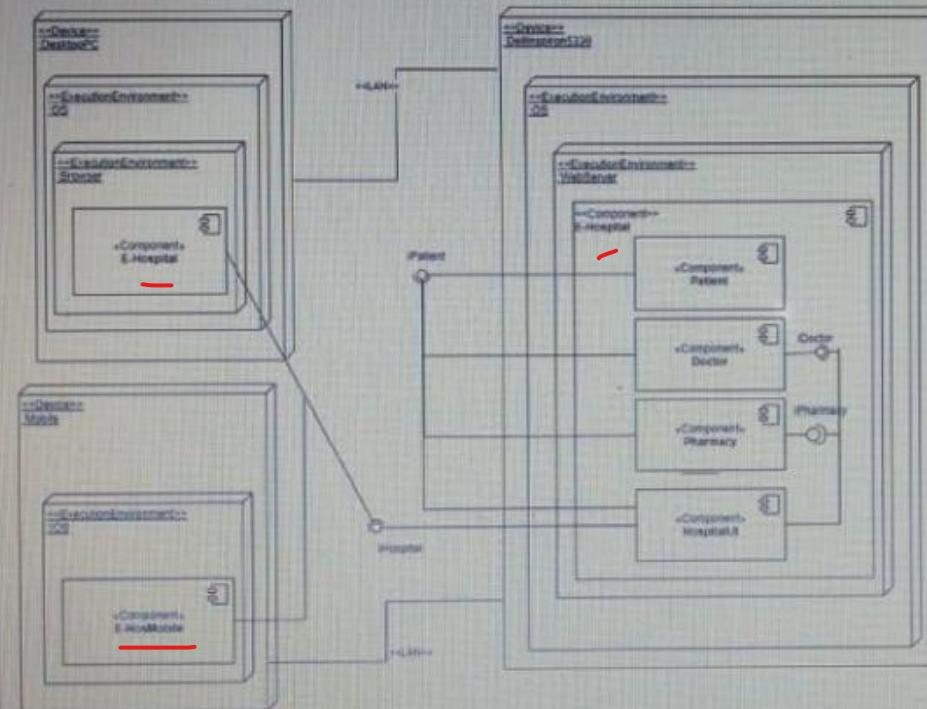
**Question 46**

Not yet answered

Marked out of 2.0

 Flag question

Consider the given physical diagram. Then drag and drop correct answers to appropriate places.



The desktop user can access the "E-Hospital" web application through a [ ] while a mobile user needs to setup the "E-HosMobile" mobile app from the App-Store. The main application of E-Hospital runs in a [ ] which deployed in DellInspiron5330. The E-Hospital application contains the subcomponents: [ ] Doctor, Pharmacy and HospitalUI. The Patient component implements [ ] which used by both Doctor

**Quiz navigation**[Finish attempt ...](#)

Time left 0:05:03

**MULTIPLE CHOICE QUESTIONS**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

**STRUCTURED QUESTIONS**

31	32	33	34	35	36	37
38	39	40	41	42	43	44
45	46	47	48	49	50	

**COMMENTS AND CONCERNs**

51
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## Question 49

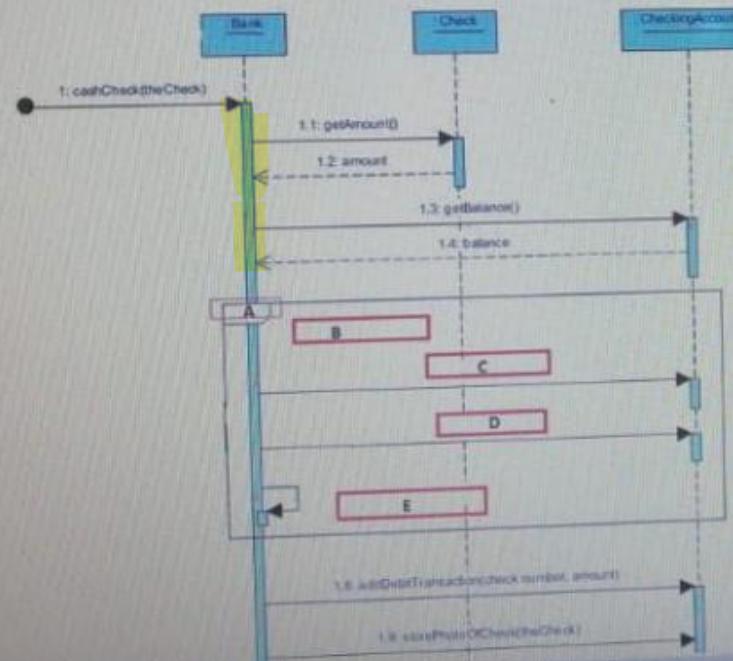
Not yet answered

Marked out of 2.0

 Flag question

The following sequence diagram is based on **cash check clearance process** of Bank of Ceylon in Sri Lanka.

Customers initiate the function with submitting cash amount to the bank and system will firstly check the amount that has to be paid and then system will check the account balance. If balance will less than the amount that must be paid, System will break the process add insufficient fee to the account. Then system will put the note against the account details as "returned check". "insufficientFundfee" will be added to the account as debit value. Then system will return the request. Unless system will add the debit transaction and keep the records of request. Ultimately system will return the cash amount.



## ≡ Quiz navigation

Finish attempt ...

Time left 0:01:20

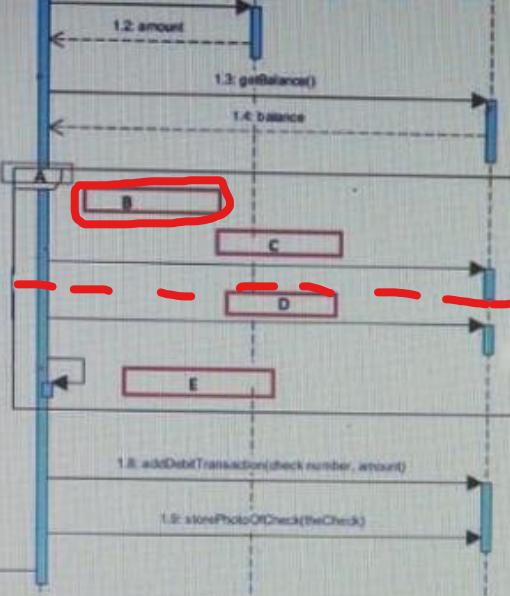
## MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

## STRUCTURED QUESTIONS

31	32	33	34	35	36	37
38	39	40	41	42	43	44
45	46	47	48	49	50	

## COMMENTS AND CONCERNS



What is answer for A?

Choose...

AddInsufficientFundFee() d

Open balance b

ReturnedCheck() c

NoteReturnedCheck() e

What is answer for B?

What is answer for C?

What is answer for D?

What is answer for E?

Choose...

15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

#### STRUCTURED QUESTIONS

31	32	33	34	35	36	37
38	39	40	41	42	43	44
45	46	47	48	49	50	

#### COMMENTS AND CONCERNs

51

Activate Windows  
GettoSetuptoactivateWindows