

4

Answered
out of
question

CRC stands for _____

Select one:

- a. Class Responsibility and Collaboration
- b. Class Relationship and Collection
- c. Class Relationship and Collaboration
- d. Class Reanalysis and Collaboration



Question 7

Not yet answered

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Flag question

If Rectangle is a class, Rectangle *r will

Select one:

- a. Create a static object of Rectangle class.
- b. Create a dynamic object of Rectangle class.
- c. Create a variable of Rectangle class.
- d. None of the above.



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Consider the following class

```
1.  
class student  
{  
    private :  
        int stdNo;  
        char name[20];  
        int *marks;  
    public:  
        student(int pStdNo, char *pName, int s);  
        void inputMarks();  
        int calculateTotal();  
};
```

If an object called `st1` of the above class was created dynamically, how would you call the "inputMarks()"

Select one:

- a. `st1->inputMarks();`
- b. `int marks = st1->inputMarks();`
- c. `cout<<st1->inputMarks();`
- d. `st1.inputMarks();`

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Question 1

Not yet answered

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Flag question

Classes in the program may corresponds to

Select one:

- a. Verbs in the Problem Statement
- b. CRC Cards
- c. Objects
- d. Properties

Question 1

Not yet answered

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Flag question

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Question 1

Not yet answered

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OOA and OOD uses

Select one:

- a. Flow charts
- b. Algorithms
- c. CRC cards
- d. All of the above

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OOA and OOD uses

Select one:

- a. Flow charts
- b. Algorithms
- c. CRC cards
- d. All of the above



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Given a description of a problem potential behaviors are identified by selecting

Select one:

- a. verb phrases in the statement
- b. noun phrases in the statement
- c. adjectives in the statement
- d. adverbs in the statement



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Question 9

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View question

Select the statement that calls printSalary() function of Employee class using the dynamic object named as employee.

Select one:

- a. employee1.printSalary();
- b. Employee.printSalary();
- c. Employee.printSalary();
- d. employee1.printSalary();

ANSWER

Question 5

Not yet answered

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Flag question

One CRC card represents _____

Select one:

- a. One attribute
- b. One class
- c. Two attributes
- d. One relationship

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Question 13

Not yet answered

Marked out of 1.00

Flag question

Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "is-a relationship" and is weaker form of an association relationship.

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Classes in the program may corresponds to

Select one:

- a. Verbs in the Problem Statement
- b. CRC Cards
- c. Objects
- d. Properties

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5
answered
3 out of
ing question

Select incorrect statement regarding CRC cards.

Select one:

- a. The nouns in a given scenario helps to identify the classes.
- b. The verbs & verb phrases in a given scenario helps to identify the responsibilities.
- c. CRC card is a technique that is used in object oriented designing stage.
- d. Five sections are included in CRC card structure.



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18

answered

out of

question

Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect.
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.



Question 7
yet answered
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1
Flag question

Consider the following class

```
1.  
class Student  
{  
    private :  
        int stdNo;  
        char name[20];  
        int marks[3];  
    public:  
        student(int pStdNo, char *pName);  
        void assignMarks();  
        float calculateAvg();  
        void print();  
};
```

What is the correct way to declare a student object dynamically ?

Select one:

- a. Student std = new Student();
- b. Student *std = new Student();
- c. Student *std = new Student(1001, "A. Perera");
- d. Student *std = gcnew Student(1001, "A. Perera");

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Question 4
Not answered
Marked out of 1
Flag question

A student prepared a noun list from use case scenario & he is going to remove one. Which one is going to apply?

Customer	Order
Item	Order number
Shopping cart	Order status
Payment	Order details
Address	Email
Sale	System

Select one:

- a. Meta language
- b. Redundant
- c. Outside scope of system
- d. An attribute



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C++ Inheritance relationship is

Select one:

- a. Association
- b. Is-A
- c. Has-A
- d. None



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Question 1

Not yet answered

Marked out of
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Flag question

Classes in the program may corresponds to

Select one:

- a. Verbs in the Problem Statement
- b. CRC Cards
- c. Objects
- d. Properties

Question 7
Not yet answered
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Flag question

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Select the statement that calls `printSalary()` function of `Employee` class using the `dynamic` object named as `employee1`

Select one:

- a. `employee1.printSalary();`
- b. `Employee->printSalary();`
- c. `Employee.printSalary();`
- d. `employee1->printSalary();`

The screenshot shows a web browser window with a blue header bar. The header contains the text "Online Exams" and "Sri Lanka Institute of Information Technology". To the left of the header is a logo consisting of a shield with the letters "SLIIT". Below the header, the main content area displays a question:

Which of the following C++ statements can be used to remove a dynamic object f

Select one:

- a. new
- b. free
- c. delete
- d. destructor

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What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

Question 6
Not yet answered
Marked out of 1.00
Flag question

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The methods of a dynamic object can be accessed via the operator

Select one:

- a. .
- b. *
- c. ->
- d. &

Next

Question 6
Not yet answered
Marked out of 1.00
Flag question

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The methods of a dynamic object can be accessed via the operator

Select one:

- a. .
- b. *
- c. ->
- d. &

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Question 14
Not yet answered
Marked out of 1.00
Flag question

Which of the following term is best defined by the following statement?
"A process in which one object acquires all the properties and behaviors of its parent object automatically"

Select one:

- a. Generalization
- b. Association
- c. Dependency
- d. Aggregation

Next page

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SLIT

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Question 11
Not yet answered
Marked out of 1.00
Flag question

Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "is-a relationship" and is weaker form of an association relationship.

Next page

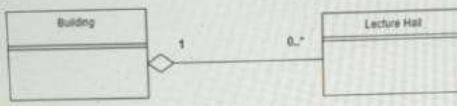
Online Exams

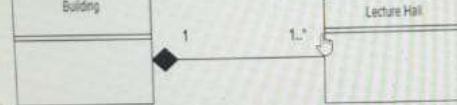
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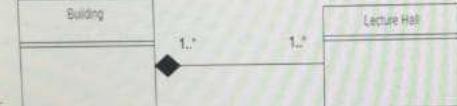
In a university, every building has at least one lecture hall. One lecture hall is exactly a part of a building.

How can you model the given above scenario?

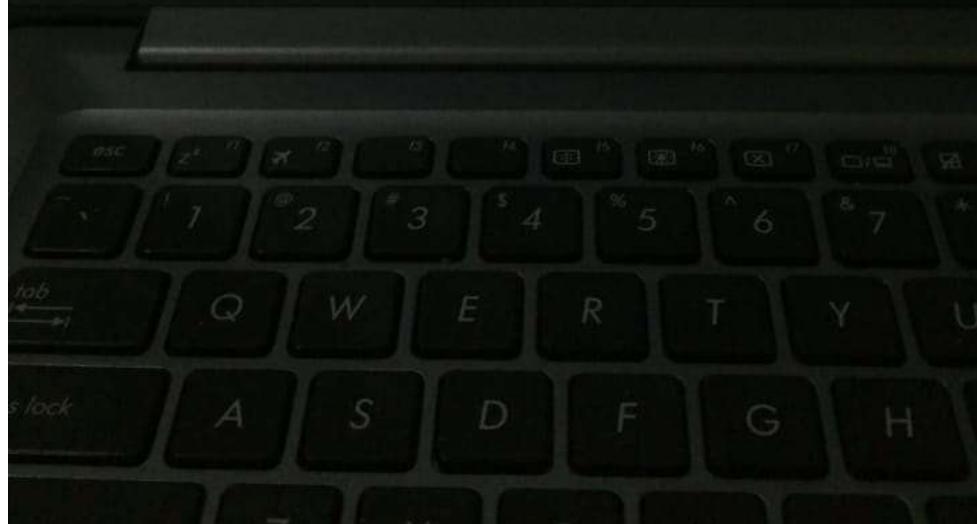
Select one:

a. 

b. 

c. 

d. 



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15
Answered
out of
question

Pure Virtual function can be written as

Select one:

- a. void virtual show()=0
- b. void virtual show()==0
- c. virtual void show()=0
- d. virtual void show()==0



Classes in the program may corresponds to

Select one:

- a. Verbs in the Problem Statement
- b. CRC Cards
- c. Objects
- d. Properties

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Question 13

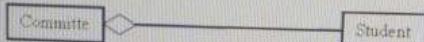
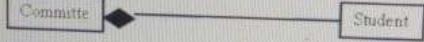
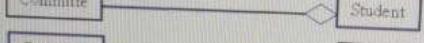
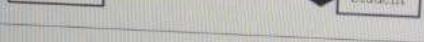
Not yet answered

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Flag question

Select the most correct diagram to show the relationship of Committee class and Student class.

Select one:

- a. 
- b. 
- c. 
- d. 



Select the statement that calls `printSalary()` function of `Employee` class using the dynamic object named as `employee1`.

Select one:

- a. `employee1.printSalary();`
- b. `Employee->printSalary();`
- c. `Employee.printSalary();`
- d. `employee1->printSalary();`

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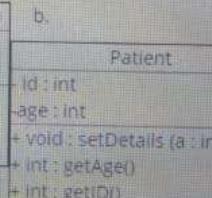
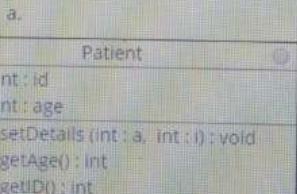
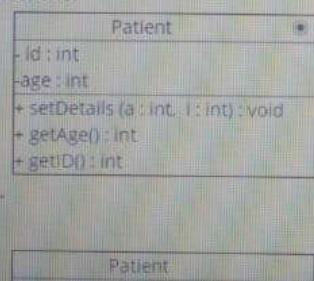
out of

question

Select the correct UML notation for the class given in C++ code below.

```
class Patient {  
private:  
    int id;  
    int age;  
public:  
    void setDetails(int a, int i);  
    int getAge();  
    int getID();  
};
```

Select one:





8
Answered
out of
question

The methods of a dynamic object can be accessed via the operator

Select one:

- a. .
- b. *
- c. ->
- d. &

≡ Quiz n

1	2
8	9
15	16
22	23
29	30
36	37
43	44
50	51

[Next page](#)

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10 answered 1 out of question

Consider the following class

1.

```
class Student
{
    private:
        int stdNo;
        char name[20];
        int marks[3];
    public:
        student(int pStdNo, char *pName);
        void assignMarks();
        float calculateAvg();
        void print();
};
```

What is the correct way to declare a student object dynamically ?

Select one:

- a. Student std = new Student();
- b. Student *std = new Student();
- c. Student *std = new Student(1001, "A. Perera");
- d. Student *std = gnew Student(1001, "A. Perera")

Question 12

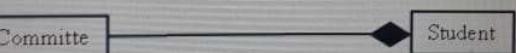
Not yet answered

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Flag question

Select the most correct diagram to show the relationship of Committee class and Student class.

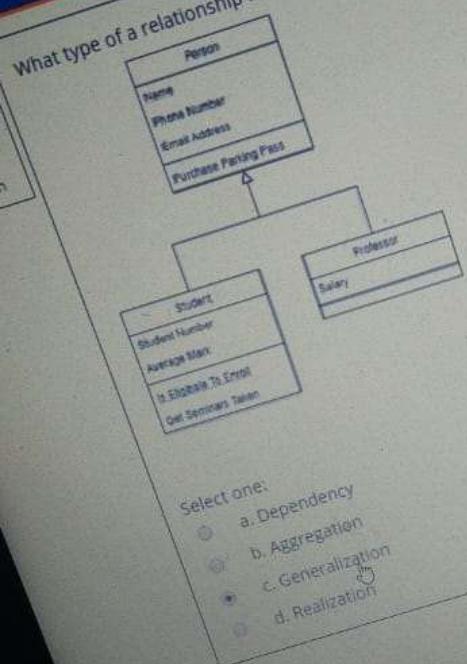
Select one:

- a. 
- b. 
- c. 
- d. 

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What type of a relationship is represented by Person class and student?



Select one:

- a. Dependency
- b. Aggregation
- c. Generalization
- d. Realization

Consider the following class

1.

```
class student
{
    private :
        int stdNo;
        char name[20];
        int *marks;
public:
    student(int pStdNo, char *pName, int s);
    void inputMarks();
    int calculateTotal();
};
```

If an object called **st1** of the above class was created dynamically, how would you call the "inputMarks" function?

Select one:

- a. st1->inputMarks();
- b. int marks = st1->inputMarks();
- c. cout<<st1->inputMarks();
- d. st1.inputMarks();



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Question 18

Not yet answered

Marked out of
1.00

Flag question

Types of inheritance in C++ are

Select one:

- a. Multilevel
- b. Multiple
- c. Hierarchical
- d. All the above

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14
answered
out of
question

Which of the following relationship indicates that objects of specific class can occur independently of other objects?

Select one:

- a. Aggregation
- b. Association
- c. Composition
- d. Both Aggregation and Association

**Question 3**

Not yet answered

Marked out of
1.00

Flag question

A correct list of responsibilities of an Online Order System is:

Select one:

- a. Add New Item, Restock, Update Items
- b. Order Form, Add New Item, Customer Details Form
- c. Order Form, Customer Details Form, Supplier
- d. Add New Items, update items, Item

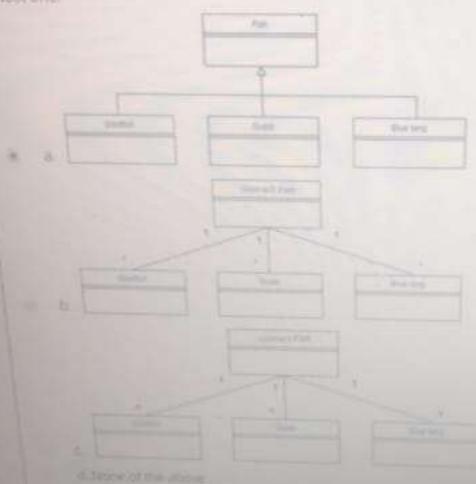
Sri Lanka Institute of Information Technology

20
Powered
out of
question

How do you model the following scenario using a class diagram.

"There are different fish species. E.g.-Goldfish, Guppy ,Blue tang"

Select one:

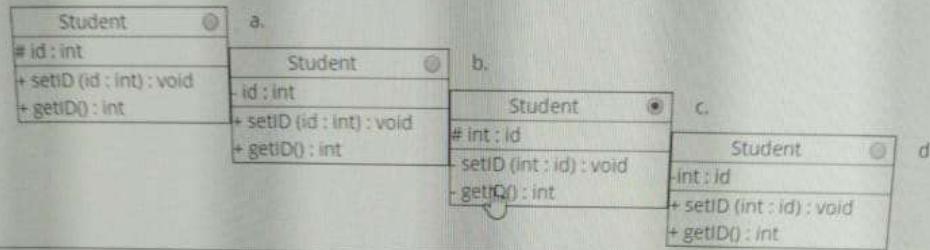


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System has three classes, **Student**, **WeekendStudent** and **WeekdayStudent**. WeekendStudent class and WeekdayStudent class inherit from Student class. Select the correct UML notation for **Student** class.

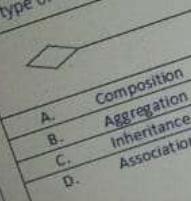
Select one:



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What type of relationships are represented by the symbols in the figure given below?



- A. Composition
- B. Aggregation
- C. Inheritance
- D. Association

- Aggregation
- Composition
- Aggregation
- Inheritance

Select one:

- a. A
- b. B
- c. C
- d. D

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Question 13

Not yet answered

Marked out of 1.00

Flag question

Which relationship says that objects are strongly dependent?

Select one:

- a. Aggregation only
- b. Association
- c. Composition and Dependency
- d. Both Composition and Association



Question 15

Not yet answered

Marked out of
1.00

Flag question

In inheritance, what functions can be inherited from base class in C++ program

Select one:

- a. Constructor
- b. Destructor
- c. Static function
- d. None of the above

Moodle

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Question 3
Not yet answered
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Flag question

Classes in the program may corresponds to

Select one:

- a. Verbs in the Problem Statement
- b. CRC Cards
- c. Objects
- d. Properties

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Question 11
Not yet answered
Marked out of 1.00
Flag question

Which relationship type can be considered as weak version of Association type of relationship?

Select one:

- a. Composition
- b. Aggregation
- c. Dependency
- d. Inheritance

The screenshot shows a web browser window titled "Online Exams" from "Sri Lanka Institute of Information Technology". The main content area contains a question about creating objects from a class called "vehicle".

Find the incorrect way of creating an object from a class called "vehicle"

Select one:

- a. vehicle *v;
v = new vehicle();
- b. vehicle *v = new vehicle();
- c. vehicle v;
- d. vehicle *v = vehicle();

X C O A



Online Exams

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10

Answered
out of
question

Following class is given

```
Book
int bookID;
char bookName[50];
Book(int bid, char *bName);
void print();
```

What is the correct coding for creating an object of the book class dynamically?



Select one:

- a. book *b1 = new Book(1001, "Object Oriented Concepts");
- b. Book *b1 = new Book(1001, "Object Oriented Concepts");
- c. book *b1 = new Book();
- d. Book b1 = new Book();



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Question 32

Not yet answered

Marked out of 1.00

Flag question

Types of inheritance in C++ are

Select one:

- a. Multilevel
- b. Multiple
- c. Hierarchical
- d. All the above

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Question 33

Not yet answered

Marked out of 1.00

Flag question

Which of the following best describes Inheritance concept in OOC?

Select one:

- a. Use the code already written once.
- b. Copy code already written
- c. Use already defined functions
- d. Use data and functions into derived segments.

Next page

Quiz nav

1	2	3
8	9	10
15	16	17
22	23	24
29	30	31
36	37	38
43	44	45
50	51	52

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Question 31

Not yet answered

Marked out of 1.00

Flag question

What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

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Question 34
Not yet answered
Marked out of 1.00
Flag question

Which of the following relationship indicates that objects of specific class can occur independently?

Select one:

- a. Aggregation
- b. Association
- c. Composition
- d. Both Aggregation an Association

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Question 31
Not yet answered
Marked out of 1.00
Flag question

What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

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Select the most correct diagram to show the relationship of **Bird** class and **Peacock** clas

Select one:

- a. 
- b. 
- c. 
- d. 

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X C I A

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Question 16

yet answered

Mark out of 1

Flag question

The way a relationship is built in Association is:

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through ~~de~~ constructor
- d. Through class names



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Question 15.

Not yet answered

Marked out of 1.00

Flag question

Which of the following best describes Inheritance concept in OOC?

Select one:

- a. Use the code already written once.
- b. Copy code already written
- c. Use already defined functions
- d. Use data and functions into derived segments.

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Online Exams

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Select the incorrect statement for class A, class B and class C given below.

A

B

C

Select one:

- a. Class B Inherits the properties of class C.
- b. Class C Inherits the properties of class B.
- c. Class B Inherits properties of class A.
- d. Class C Inherits the properties of class A.

Question 28
Not yet answered
Marked out of
1.00

▼ Flag question

Question 37

Not yet answered
Marked out of
0.00

* Flag question

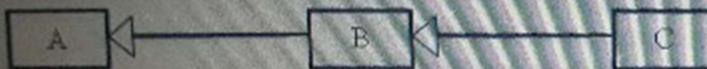
What is Inheritance?

Select one:

- a. Overloading of classes
- b. Classes with same names
- c. Derive new classes from existing classes
- d. Wrap data into one class.

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Select the **incorrect** statement for class A, class B and class C given below.



Select one:

- a. Class B inherits the properties of class C.
- b. Class C inherits the properties of class B.
- c. Class B inherits properties of class A.
- d. Class C inherits the properties of class A.

Pure Virtual function can be written as

Select one:

- a. void virtual show()=0
- b. void virtual show()==0
- c. virtual void show()=0
- d. virtual void show()==0

Moodle

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Question 13

Not yet answered

Marked out of 1.00

Flag question

Composition is a strong form of

Select one:

- a. Inheritance
- b. Encapsulation
- c. Aggregation
- d. All the above



**Question 11**

Not yet answered

Marked of
1.00

Flag question

C++ Inheritance relationship is

Select one:

- a. Association
- b. Is-A
- c. Has-A
- d. None

How can you model the given above scenario?

Select one:

- a. 
- b. 
- c. 
- d. 

hp



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Question 10

yet answered

Marked out of

1

Flag question

Which of the following C++ statements can be used to remove a dynamic object from the memory.

Select one:

- a. new
- b. free
- c. delete
- d. destructor

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Select the **correct** statement for class A, class B and class C given below.

A ————— B ————— C

Select one:

- a. Objects of class B cannot exist without an object of class A.
- b. Objects of class C cannot exist without an object of class B.
- c. Objects of class C cannot exist without an object of class A.
- d. Objects of class A cannot exist without an object of class B

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35 answered
3 out of
tag question

Which of the following statement is true about the diagram given below?

```
graph LR; X[X] --> Y[Y]
```

Select one:

- a. X is a part of Y.
- b. If an instance of X is deleted, all the contained instances of Y are also deleted.
- c. If an instance of Y is deleted, all the contained instances of X are also deleted.
- d. If an instance of X is deleted, the contained instances of Y are not affected.

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Section 33
0 of 10 questions answered
Marked out of 100

In inheritance, what functions can be inherited from base class in C++ program

Select one:

- a. Constructor
- b. Destructor
- c. Static function
- d. None of the above

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16 answered out of 1 question

Select the correct statement about the relationship between super class and sub classes

Select one:

- a. A sub class can only be inherited from one super class.
- b. The sub class must not have more attributes than the super class.
- c. A super class must not be abstract.
- d. The sub class inherits the properties of the super class.

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Moodle

Question 31

Not yet answered

Marked out of 1.00

Flag question

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What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned



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Question 31

Not yet answered.

Marked out of
1.00

Flag question

Which of the following statement is true about the diagram given below?



Select one:

- a. X is a part of Y.
- b. If an instance of X is deleted, all the contained instances of Y are also deleted.
- c. If an instance of Y is deleted, all the contained instances of X are also deleted.
- d. If an instance of X is deleted, the contained instances of Y are not affected.

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Which statement is TRUE about dependency relationship?

Select one:

- a. A dependency occurs when one object invokes another object's functionality in order to accomplish some specific task.
- b. A dependency is always a uni-directional relationship
- c. This is weaker relationship than the Association.
- d. All of the above



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Question 15

Not answered

3 out of

Flag question

Which of the following best describes Inheritance concept in OOC?

Select one:

- a. Use the code already written once.
- b. Copy code already written
- c. Use already defined functions
- d. Use data and functions into derived segments.

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19 answered 1 out of 1 question

What is the main reason to have relationships between classes?

Select one:

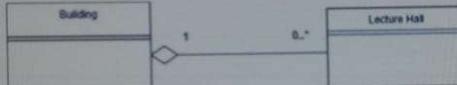
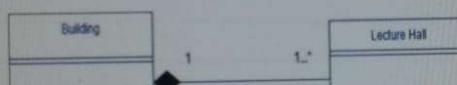
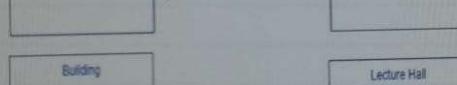
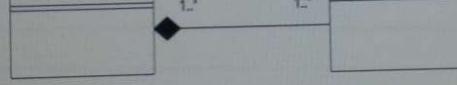
- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

Question 24

Not yet answered
Marked out of
1.00


In a university, every building has at least one lecture hall. One lecture hall is exactly a part of a building.
How can you model the given above scenario?

Select one:

- a. 
- b. 
- c. 
- d. 



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Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator

**Question 22**

Not yet answered

Marked out of
1.00

Flag question

Types of inheritance in C++ are:

Select one:

- a. Multilevel
- b. Multiple
- c. Hierarchical
- d. All the above





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estion

Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator



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Question 51

Not yet answered
Marked out of
1.00

Flag question

Which kind of relationship type exist in the following code segment?

class Fraction

{

 private:

 int numerator;
 int denominator;

 public:

 Fraction(int numerator=0, int denominator=1);
 Fraction(int numerator, int denominator) : numerator(numerator), denominator(denominator) {

 // We put reduce() in the constructor to ensure any fractions we make get reduced
 // Since all of the overloaded operators create new fractions, we can guarantee to
 // reduce();

 }

Select one:

- a. Aggregation
- b. Both Association and Composition
- c. Composition
- d. Composition

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Question 27

Not yet answered

Marked out of 1.00

Flag question

Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator

Next page

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Question 15

Not yet answered

Marked out of 1.00

Flag question

The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructor
- d. Through class Names

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Question 41
Not yet answered
Marked out of 0.00
Flag question

A Microphone class contains a Circuit class. The Circuit can be removed from the Microphone and tested on its own. Which of the following describes the above scenario?

Select one:

- a. Composition
- b. Dependency
- c. Association
- d. Aggregation

The image shows a laptop screen with an open Moodle-based online exam interface. The title bar says "Moodle". The main header features the SLIIT logo and the text "Online Exams" and "Sri Lanka Institute of Information Technology". A sidebar on the left shows "Question 41" with a status of "Not yet answered" and a mark of "0.00". Below the sidebar is a "Flag question" button. The main content area contains a question: "A Microphone class contains a Circuit class. The Circuit can be removed from the Microphone and tested on its own. Which of the following describes the above scenario?". It asks to "Select one:" and lists four options: a. Composition, b. Dependency, c. Association, and d. Aggregation. Option d. Aggregation is selected with a radio button. At the bottom of the image, the dark laptop keyboard is partially visible.

Moodle



Online Exams

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Question 40

Not yet answered

Marked out of

1.00

Flag question

Which of the following statement is true about the diagram given below?



Select one:

- a. X is a part of Y.
- b. If an instance of X is deleted, all the contained instances of Y are also deleted.
- c. If an instance of Y is deleted, all the contained instances of X are also deleted.
- d. If an instance of X is deleted, the contained instances of Y are not affected.



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Question 60
Not yet answered
Marked out of
1.00
Flag question

What is the correct UML diagram for the following scenario?
"A bank maintains multiple accounts such as savings and current accounts."

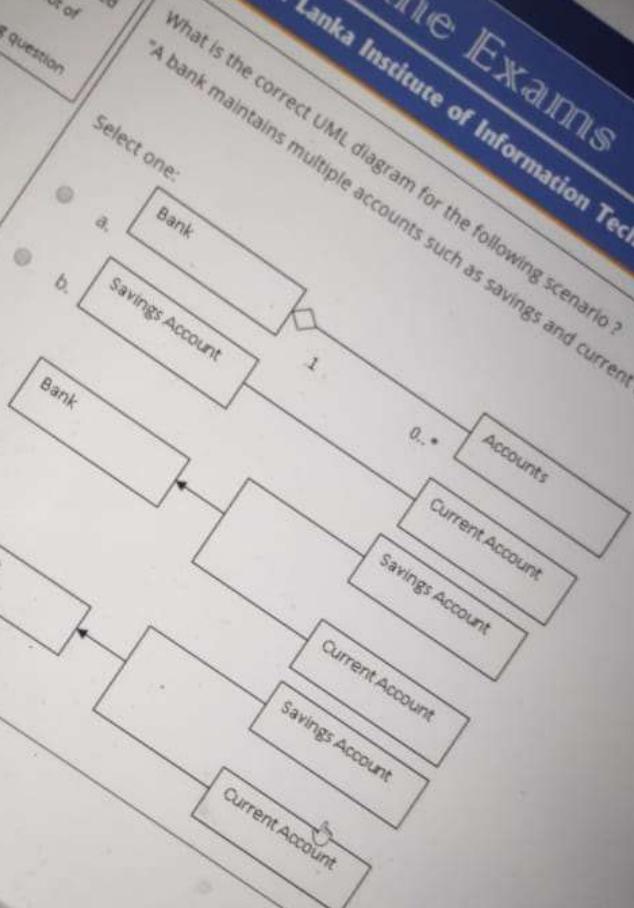
Select one:

a. Bank

b. Savings Account

c.

d. Account



3



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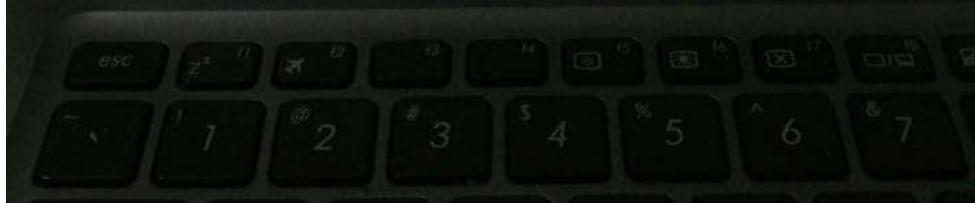
Question 34
Not yet answered
Marked out of 0.00
Flag question

Select the **correct** statement for class A, class B and class C given below.

A ————— B ————— C

Select one:

- a. Objects of class B cannot exist without an object of class A.
- b. Objects of class C cannot exist without an object of class B.
- c. Objects of class C cannot exist without an object of class A.
- d. Objects of class A cannot exist without an object of class B.



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SLITT

Question 55
Not yet answered
Marked out of 1.00
Flag question

A Microphone class contains a Circuit class. The Circuit can be removed from the Microphone and tested on its own. What type of relationship describe the above scenario?

Select one:

- a. Composition
- b. Dependency
- c. Association
- d. Aggregation

Next page

The image shows a computer screen displaying an online exam from the Sri Lanka Institute of Information Technology (SLITT) using the Moodle platform. The exam title is "Online Exams". The question being viewed is Question 55, which is worth 1.00 mark and has not been answered yet. The question text is: "A Microphone class contains a Circuit class. The Circuit can be removed from the Microphone and tested on its own. What type of relationship describe the above scenario?". Below the question, there is a "Select one:" instruction followed by four options labeled a, b, c, and d. Option d, "d. Aggregation", is selected and highlighted with a blue border. The other options are "Composition", "Dependency", and "Association". A "Flag question" button is also visible on the left side of the question card.

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on 32
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ag question

Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "is-a relationship" and is weaker form of an association relationship.



Question 26

Not yet answered

Marked out of
1.00

Flag question

Which of the following best describes Inheritance concept in OOC?

Select one:

- a. Use the code already written once.
- b. Copy code already written
- c. Use already defined functions
- d. Use data and functions into derived segments.



Online Exams

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9

Answered
of

Question

Which of the following term is best defined by the following statement?

"A process in which one object acquires all the properties and behaviors of its parent object automatically"

Select one:

- a. Generalization
- b. Association
- c. Dependency
- d. Aggregation

Moodle

← → X C | ⓘ | A

Sri Lanka Institute of Information Technology

Question 35

Not yet answered

Marked out of 1.00

Flag question

Which of the following statement is TRUE about composition?

Select one:

- a. Compositions are typically implemented via normal member variables, or by pointers where the class manages the memory allocation and de-allocation.
- b. Exists when a member of a class has a part-of relationship with the class.
- c. The class manages the existence of the members.
- d. All of the above

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Question 41

Not yet answered

Marked out of 1.00

Flag question

A system is designed to assign topics for assignment groups. Each group consist of 4 or 5 group members. Developers of the system have identified Topic class, Group class and GroupMember class as the classes in this system. Select the most correct relationship for Group class and GroupMember class.

Select one:

- a. Composition
- b. Inheritance
- c. Dependency
- d. Association

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28
answered
out of
question

What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

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According to the diagram shown below, what is the relationship between "Person" and "Vehicle" ?

Select one:

- a. Aggregation
- b. Two way Association
- c. One way Association
- d. Dependency

The diagram illustrates a UML Class Diagram with three classes: Person, Vehicle, and Manufacturer. The Person class has an attribute '+Name'. The Vehicle class has attributes '+Model' and '+RegistrationNo'. The Manufacturer class has attributes '+Name' and '+Country'. There are two associations: one between Person and Vehicle (multiplicity 1 at Person, 0..* at Vehicle) and another between Vehicle and Manufacturer (multiplicity 1..* at Vehicle, 1 at Manufacturer).

```
classDiagram
    class Person {
        +Name
    }
    class Vehicle {
        +Model
        +RegistrationNo
    }
    class Manufacturer {
        +Name
        +Country
    }
    Person "1" -- "0..*" Vehicle
    Vehicle "1..*" -- "1" Manufacturer
```

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Question 52
Not yet answered
Marked out of 1.00
 Flag question

Shape

getArea()

Rectangle

length
width

Rectangle()
Rectangle(int, int)
getArea()

What is the relationship shown in the above diagram?

QUESTION

Select one:

- a. Abstraction
- b. Inheritance
- c. Dependency
- d. Encapsulation

**Question 26**

Not yet answered

Marked out of
1.00

Flag question

Which of the following best describes Inheritance concept in OOC?

Select one:

- a. Use the code already written once.
- b. Copy code already written
- c. Use already defined functions
- d. Use data and functions into derived segments

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Question 43
Not yet answered
Marked out of 1.00
Flag question

Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1..2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?

Select one:

- a. A and C
- b. A, B and C
- c. C, A, B, C and D
- d. All of the above



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41
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out of
question

A system is designed to assign topics for assignment groups. Each group consist of 4 or 5 group members. Developers of the system have identified Topic class, Group class and GroupMember class as the classes in this system. Select the most correct relationship for Group class and GroupMember class.

Select one:

- a. Composition
- b. Inheritance
- c. Dependency
- d. Association



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42

Which of the following term is best defined by the following statement?

"A process in which one object acquires all the properties and behaviors of its parent object automatically"

Select one:

- a. Generalization
- b. Association
- c. Dependency
- d. Aggregation

Next page



17
answered
out of
question

Which statement is TRUE about dependency relationship?

Select one:

- a. A dependency occurs when one object invokes another object's functionality in order to accomplish some specific task.
- b. A dependency is always a uni-directional relationship 
- c. This is weaker relationship than the Association.
- d. All of the above

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Loodle

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Question 39
Not yet answered.
Marked out of 00
Flag question

Consider following statements.

A) Virtual functions support dynamic polymorphism
B) Virtual functions must be non-static member function of the class
C) Constructor Functions cannot be virtual

Select one:

a. Only A is incorrect.
 b. A and B are correct.
 c. A, B and C are correct.
 d. B and C are incorrect.

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Question 64

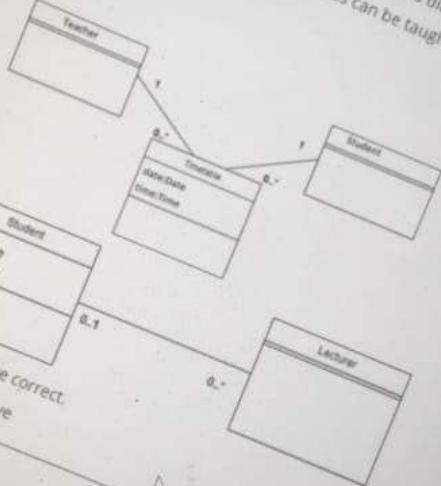
Not yet answered

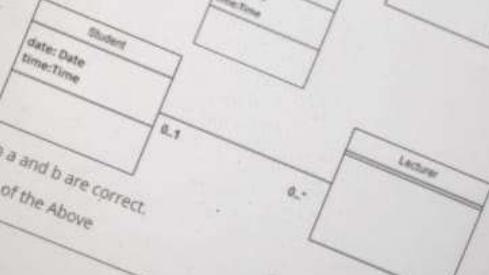
Marked out of 1.00

Flag question

How do you model the following scenario using a class diagram?
A lecturer teaches multiple classes and a class can be taught by many lecturers. A timetable
lecture held.

Select one:

a. 

b. 

c. Both a and b are correct.

d. None of the Above

2 F3 F4 F5 F6 F7 F8

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Question 32

Not yet answered

Marked out of
1.00 Flag question

Which of the following may be components of system design?

Select one or more:

- a. Subsystems
- b. Activity diagram
- c. Use case scenarios
- d. Class diagram

**Question 20**

Not yet answered

Marked out of
1.00 Flag questionWhich one of the following is **not** a step of requirement engineering?

Select one:

- a. Gathering
- b. Feasibility Study
- c. Documentation
- d. Analysis

Which of the following statement(s) is/are TRUE regarding Software Testing?

Select one or more:

- a. Software Testing is inadequate for showing the absence of defects.
- b. Software Testing is an effective way to show the presence of bugs
- c. Software Testing is only performed by QA Engineers.
- d. If Rigorous Testing is done and no defects are detected, we can say that the software is 100% bug free

Next

Question 19

Not yet answered

Marked out of
1.00

Flag question

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The entry criteria and exit criteria for Requirements phase in Waterfall model is,

Select one:

- a. Feasibility report, SRS
- b. SRS, Set of Unit tested Modules
- c. SRS, Design Documents
- d. Set of unit tested modules, SRS

Question 26
Not yet answered
Marked out of 1.00
Flag question

A Feasibility Study.

Select one or more:

- a. Does not involve all the stake holders.
- b. Looks at alternative solutions.
- c. Is generally carried out after the software requirements specification.
- d. Covers cost to benefit analysis.

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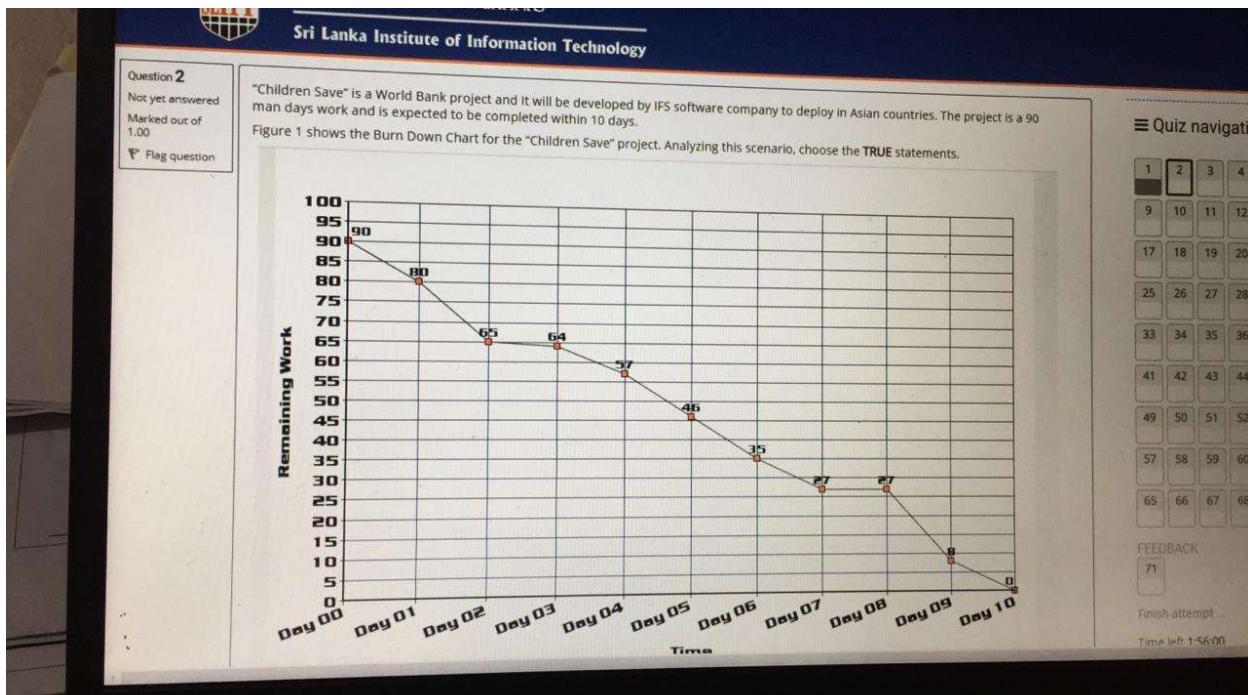
Question 14
Not yet answered
Marked out of 1.00
Flag question

Which of the following statements explains **portability** as a non-functional requirement?

Select one:

- a. It is a degree to which software running on one platform can easily be converted to run on another platform.
- b. The ability of the user understanding the system.
- c. The ability of the system to behave consistently in a user-acceptable manner when operating within the environment for which the system was intended.
- d. It cannot be enhanced by using languages, Operating Systems and tools that are universally available and standardized.

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Question 34
Not yet answered
Marked out of 1.00
 Flag question

Which of the following statement(s) are TRUE about integration testing?

Select one or more:

- a. It validates that the right system was built
- b. It is a predetermined combination of tests
- c. It ensures that data and control are passed properly between modules
- d. Testing is performed on a group of modules



Question 27

Not yet answered

Marked out of
0.0

Flag question

Which of the following statement(s) are TRUE?

Select one or more:

- a. In Agile model, test cases are designed after the development of the system
- b. In V-Model, software development and testing are executed in parallel
- c. In Spiral Model testing may be done multiple times
- d. V-Model emphasizes more on testing than Waterfall Model