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Started on Tuesday, 21 September 2021, 2:20 PM

State Finished

Completed on Tuesday, 21 September 2021, 2:34 PM

Time taken 14 mins 28 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Correct

Mark 1.00 out of 1.00

When we write to a file, the contents are **not** always immediately written to the disk location where the file is located-

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.



Question **2**

Correct

Mark 1.00 out of 1.00

```
interface X{
    void f();
}

public class Main
{
    public static void main(String[] args) {
        int a = 50;
        X x = new X(){
            public void f(){
                System.out.println(a);
                a=a+5;
                System.out.println(a);
            };
        };
    }
}
```

Which of the followings are true?

- ☒ a. X can be without methods
- ☒ b. X can be abstract class
- ☐ c. X cannot have multiple methods at the anonymous implementation
- ☐ d. X cannot be a concrete class





Question **3**

Correct

Mark 1.00 out of 1.00

The correct answers are:
X can be abstract class,

X can be without methods

Which of the followings are correct regarding Anonymous class?

- ☒ a. can access only variables from outer scope that are either final or effectively final
- ☐ b. can access variables from outer scope
- ☐ c. can have constructors



The correct answer is:
can access only variables from outer scope that are either final or effectively final



Question **4**

Correct

Mark 1.00 out
of 1.00

Which of the followings might be correct regarding object initiation of nested classes

☒ a. for static Inner class:

```
OuterClass.InnerClass inner = new OuterClass.InnerClass();
```



☒ b. for Inner class:

```
OuterClass outer = new OuterClass();  
OuterClass.InnerClass inner = outer.new InnerClass();
```



☐ c. for Inner class:

```
OuterClass outer = new OuterClass();  
outer.InnerClass inner = new outer.InnerClass();
```

☐ d. for static Inner class:

```
OuterClass outer = new OuterClass();  
OuterClass.InnerClass inner = outer.new InnerClass();
```

☐ e. for Inner class:

```
OuterClass outer = new OuterClass();  
OuterClass.InnerClass inner = new outer.InnerClass();
```



The correct answers are:

for Inner class:

```
OuterClass outer = new OuterClass();  
OuterClass.InnerClass inner = outer. new InnerClass();
```

,

for static Inner class:

```
OuterClass.InnerClass inner = new OuterClass.InnerClass();
```

Question **5**

Correct

Mark 1.00 out
of 1.00

Anonymous class can implement **some** the abstract methods in the super class or the interface?

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.



Question **6**

Correct

Mark 1.00 out
of 1.00

If you want to open a file in append mode, the file must exists?

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **7**

Incorrect

Mark 1.00 out
of 1.00

An outer class method can access private members of an inner class object

Select one:

- ☐ True
- ☒ False ✗

The correct answer is 'True'. But logically both answers can be used here. For example, if we directly try to access the member of the inner class from the outer class, then it will give an error. If we want to access the member, then we need to create an object of the inner class.



Question 8

Correct

Mark 1.00 out of 1.00

Which of the followings are correct regarding Anonymous class:

☒ a. is an inner class



☒ b. can be abstract



☒ c. is a concrete class



☒ d. is a subclass



☐ e. can be inherited to other classes

The correct answers are:

is a subclass,

is an inner class,

is a concrete class

Question 9

Correct

Mark 1.00 out of 1.00

Inner classes cannot access private members of outer class

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.



Question **10**

Correct

Mark 1.00 out of 1.00

Nested Classes can be private

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

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UIU CITS



 <http://lms.uiu.ac.bd>

 [09604848848](tel:09604848848)

 cits@admin.uiu.ac.bd



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