

Java Final Part A-1

Due Apr 25 at 2:30pm
Time Limit 20 Minutes

Points 190

Questions 19

Instructions

Exam Instructions: TIME LIMITED, AUTO-SUBMIT, AUTO-GRADING YOUR VIDEO MUST BE ON IF ONLINE!

READ CAREFULLY AND ANSWER EACH QUESTION ONE AT A TIME! NO GOING BACK!!!

CANVAS IS SIMPLE: FILL IN BLANK WITHOUT ANY EXTRA CHARACTERS OR SPACES and CORRECT spelling.

Read each question carefully and select the best choice or choices which answer that question.

Answer all questions within the time allotted.

Some questions have more than one correct answer. There is no credit for a partially answered question.

You may use your Eclipse IDE (or other instructor approved IDE).

You may not use any other materials UNLESS OTHERWISE INSTRUCTED BY THE INSTRUCTOR OR T.A.

You may NOT have any discussions with anyone except the instructor or T.A..

Taking this exam outside of these parameters will result in disqualification and a grade of zero.

Answer all questions.

EXAM WILL AUTO SUBMIT AFTER ALLOTTED TIME EXPIRES.

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	20 minutes	103.33 out of 190

Score for this quiz: **103.33** out of 190

Submitted May 2 at 2:24pm

This attempt took 20 minutes.

Question 1

10 / 10 pts

Which of the following are object-oriented principles?

Correct!

☒ Encapsulation

☐ Overload

☐ Overwrite

Correct!

☒ Inheritance

That is correct!

Question 2

10 / 10 pts

The scope of access modifiers from largest to smallest is:

☐ private-protected-default-public

☐ private-default-protected-public

☐ public-default-protected-private

Correct!

☒ public-protected-default-private

Yes, that is correct!

Question 3

0 / 10 pts

Exceptions defined by the Error class cannot be caught.

Correct Answer

☐ True

You Answered

☒ False

No, that is not correct.

Question 4

10 / 10 pts

In Java Swing, _____ class works like the main window where components like labels, buttons, textfields are added to create a GUI.

Correct!

JFrame

Correct Answers

JFrame

Yes, that is correct!

Question 5

0 / 10 pts

Which of the following can be added to ComputerBook without error?

`class Book{`

`protected int getPrice(){`

`return 30;`

}

}

public class ComputerBook extends Book{

}

☐ protected float getPrice(){}

You Answered

☒ protected int getPrice(int page){}

You Answered

☒ int getPrice(){}

Correct Answer

☐ public int getPrice(){return 10;}

No, that is not correct.

Question 6**0 / 10 pts**Which of the following identifier(s) is/are illegal?

Correct Answer

☐ new

You Answered

☒ \$Usdollars

Correct Answer

☐ 1234

Correct Answer

☐ car.taxi

No, that is not correct.

Question 7

10 / 10 pts

The output result is: _____.

```
Integer x=23456;
```

```
System.out.println(x.toString().substring(2,4));
```

Correct!

45

Correct Answers

45

Yes, that is correct!

Question 8

10 / 10 pts

Creating threads by implementing the interface or
inheriting the class.

Answer 1:

Correct!

Runnable

Correct Answer

runnable

Answer 2:**Correct!**

Thread

Correct Answer

thread

Yes, that is correct!

Question 9**10 / 10 pts**

Which of the following description(s) of network communication is/are correct?

☐ TCP/IP is unreliable☒ UDP is unreliable☒ TCP is reliable☐ UDP is reliable**Correct!****Correct!**

Yes, that is correct!

Question 10**10 / 10 pts**

```
1.class Student{
```

```
2.    private String name; private int age;
```

```
3.    public Student(){  
4.    public void setName(String name){ this.name=name; }  
5.    void setAge(int age){ this.age= age; }  
6.}  
7.public class StudentTest{  
8.    public void static main(String[] args){  
9.        Student s = new Student();  
10.       s.name = "Hellen";  
11.       s.setAge(20);  
12.    }  
13.}
```

Which two lines are incorrect?

(answer in order)

Answer 1:

Answer 2:

Yes, that is correct!

Question 11

0 / 10 pts

Another name for Lambda is :

You Answered

Closures

Correct Answers

Closure

closure

Question 12**0 / 10 pts**

Recursion cannot be employed instead of loops to avoid mutable data:
True/False

You Answered

☒ True

Correct Answer

☐ False**Question 13****10 / 10 pts**

In Java, Multiple inheritance supported ONLY for Interfaces: True/False

Correct!☒ True☐ False**Question 14****3.33 / 10 pts**

Select all the functions that falls under the QUEUE API :

Correct!☒ Size

You Answered

☒ Push**Correct!**☒ isEmpty

You Answered

☒ Pop**Correct!**☒ Peek**Question 15****10 / 10 pts**

Select all the correct answers, how do threads communicate with each other?

Correct!☒ wait()☐ Notifyall()**Correct!**☒ notifyAll()**Correct!**☒ notify()**Question 16****0 / 10 pts**

Torrent implements _____ protocol?

You Answered

BitTorrent

Correct Answers

UDP (User Data Protocol)

UDP

User Data Protocol

User data protocol

user data protocol

User Data

user data

User data

Question 17

0 / 10 pts

```
public class LambdaDemo {  
    @FunctionalInterface  
    public interface GreatDivide {  
        float divide(int t1, int t2);  
    }  
    public static void simpleLambda() {  
        GreatDivide intDivide = (int x, int y) -> x / y;  
        System.out.println(intDivide.divide (44, 8));  
    }  
    public static void main(String[] args) {  
        simpleLambda();  
    }  
}
```

Correct Answer

☐ 5.0

☐ 5

☐ Runtime Error

You Answered

☒ Compile Error

Question 18

0 / 10 pts

If you try to run the thread twice, then what is the error you will see on the console?

☐ Compile Error

☐ Runtime Exception

☒ Runtime Error

☐ Thread runs twice

Correct Answer

You Answered

Question 19

10 / 10 pts

Select all the correct OSI (Open Systems Interconnect) layers :

☒ Application

☒ Session

☐ Internet

☒ Network

Correct!

Correct!

Correct!

Quiz Score: **103.33** out of 190