剩余时间:01:58:20 　　提前结束考试

判断题 16 　　A. 单选题 23 　　填空题 8 　　函数题 1 　　编程题 1

2-1 About Java, which statement below is NOT correct?　(2分)

- A. Big-endian is used to store all multi-byte data types.
- B. The size of int type is always 4 bytes among all the platforms.
- C. The char type is UTF-8 coded.
- D. A value of char type can be transformed to a value of int.

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2-2 Which one below is a valid Java identifier?　(2分)

- A. volatile
- B. goto
- C. 4ever
- D. $2元

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2-3 Which one below is NOT a valid Java identifier?　(2分)

- A. Int
- B. goto
- C. 变量
- D. $0

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2-4 以下程序段的输出结果是　　　　　　　　(2分)

```java
class Test {
    public static void main(String[] args) {
        System.out.println(4 + 5 + "" + 3 + 6);
    }
}
```

- A. 99
- B. 4536
- C. 936
- D. 459

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2-5 设有变量定义: `short a = 300;` 则以下哪一条语句会导致编译错误?　(2分)

- A. `a += 3;`
- B. `a = (short)a + 3;`
- C. `a = (byte)(a + 3);`
- D. `a = (short)(a * 100);`

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2-6 下列关于数组的声明哪一个是错误的。　(2分)

- A. int[ ] a={1,2};
- B. int a[ ]={1,2};
- C. int[ ] a=new int[2];
- D. int a[2]={1,2};

作者　崔振宇
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2-7 以下二维数组的定义正确的是（　）　(2分)

- A. int a[3][2]={{1,2},{1,3},{2,3}}
- B. int a[][]=new int[3][]
- C. int[][] a=new int[][3]
- D. int[][] a=new int[][]

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2-8 Given the following code: (2分)　　　　　　(2分)

```java
public class Test {

    public static void main(String[] args) {
        int vacationDays;
        System.out.println(vacationDays);
    }
}
```

which one below is correct?

- A. It compiles and prints out 0.
- B. It does not compile because vacationDays is not initialized.
- C. It compiles and prints out null.
- D. It compiles but exception raises at running indicates that vacationDays has not been initiated.

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2-9 For code below, the result would be?　　　　(2分)

```java
String s = "  Welcome to Zhejiang University  ";
s.trim();
System.out.println(s.start
```

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C. Compile error

D. Run-time exception

2-10 The result of code below is: (2分)

```java
public class Test {
    public static void main(String args[]){
        String str="ABCDE";
        str.substring(3);
        str.concat("XYZ");
        System.out.print(str);
}}
```

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A. DE

B. DEXYZ

C. ABCDE

D. CDEXYZ

2-11 What is the value of `s2` after this code executes? (2分)

```java
String s1 = "Happy#day";
String s2 = s1.substring(1,5);
```

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A. "Happ"

B. "Happy"

C. "appy"

D. "appy#"

2-12 Which of the following statements is **NOT** true? (2分)

A. `Strings` can be initialized using the = operator with a string literal value.

B. The `toString()` method can be used to return a String value from an object of any class.

C. All strings are terminated with a `null` ('\0') character.

D. It is impossible to change the contents of a `String` object.

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2-13 以下代码输出（ ）。 (2分)

```java
public static void main(String[] args) {
    String[] tokens = "Welcome to Java".split("o");
    for (int i = 0; i < tokens.length; i++) {
        System.out.print(tokens[i] + " ");
    }
}
```

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A. Welcome to Java

B. Welc me to Java

C. Welc me t Java

D. Welcome t Java

2-14 请选择下面程序正确的输出结果（ ） (2分)

```java
public class Main{
    public static void main(String args[ ]){
        String a = new String("A");
        String b = new String("B");
        mb_operate(a,b);
        System.out.println(a + "." + b);
    }
    static void mb_operate(String x,String y){
        x.concat(y);
        y=x;
    }
}
```

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A. `A.B`

B. A.A

C. AB.AB

D. AB.B

2-16 What will happen when you attempt to compile and run the following code (2分)

```java
int Output=10;
boolean b1 = false;
if((b1==true) && ((Output+=10)==20)){
    System.out.println("We are equal "+Output);
} else {
    System.out.println("Not equal! "+Output);
}
```

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A. Compile error, attempting to preform binary comparison on logical data type

B. Compilation and output of "We are equal 10"

C. Compilation and output of "Not equal! 20"

D. Compilation and output of "Not equal! 10"

2-17 Which switch-case below is NOT correct? (2分)

作者　Weiming Lu

A. int i; switch (i) { case.

○ D. long b, switch (b) { case...}

2-18 Given the following code: (2分)   作者 翁恺
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```java
public class Test{
    public static void main(String args[])
    {
        String str=new String("World");
        char ch[]={'H','e','l','l','o'};
        change(str,ch);
        System.out.println(str + "and" + ch);
    }
    public static void change(String str, char ch[])
    {
        str="Changed";  ch[0]='C';
    }
}
```

What is the result after execution?
○ A. World and Hello
○ B. World and Cello
○ C. Changed and Hello
○ D. Changed and Cello

2-19 What will be output by the following line? (2分)   作者 翁恺
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```java
System.out.println(Math.floor(-2.1));
```

○ A. -2
○ B. 2.0
○ C. -3
○ D. -3.0

2-20 Given code below: (2分)   作者 翁恺
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```java
public class main {
    public void main() {
        System.out.println("Hello world\n");
    }
}
```

Which statement is correct?

○ A. It does not compile because "main" is used for both class and function
○ B. It does not compile because constructor should not have a return value
○ C. It compiles and prints out "Hello world"
○ D. It compiles but JVM will say it can not find the main() in the class

2-21 What will be printed out if this code is run with the following command line? (2分)   作者 翁恺
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java myprog good morning

```java
public class myprog{
    public static void main(String argv[]) {
        System.out.println(argv[2])
    }
}
```

○ A. Myprog
○ B. Good
○ C. Morning
○ D. Exception raised: "java.lang.ArrayIndexOutOfBoundsException: 2"

2-22 What will happen if you try to compile and run the following code? (2分)   作者 翁恺
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```java
public class Q {
    public static void main(String argv[]){
        int anar[]=new int[5];
        System.out.println(anar[0]);
    }
}
```

○ A. Error: anar is referenced before it is initialized
○ B. null
○ C. 0
○ D. 5

2-23 About JIT JVM, which statement below is correct? (2分)   作者 翁恺
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○ A. The compiler generates native code for JIT JVM.
○ B. There is a special translator to convert byte code into native code before its loading into the JVM.
○ C. It is the JVM that translates the byte code into native during the loading of the class.
○ D. Java Native Invoking is the way JIT JVM does to make program run faster.

2-24 For code below, the result s would be?   (2分)   作者 翁恺
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```java
String s = String.format("2.1 can be rounded as %i\n", Math.round(2.1));
```

○ A. Compile error
○ B. 2.1 can be rounded a
○ C. 2.1 can be rounded a

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