

Name: \_\_\_\_\_

Reg #: \_\_\_\_\_

Section: \_\_\_\_\_

## National University of Computer and Emerging Sciences, Lahore Campus



**Course:** Advanced Programming  
**Program:** BS(Computer Science)  
**Duration:** 30 Minutes  
**Paper Date:** 18-Sep-18  
**Section:** B  
**Quiz:** 1

**Course Code:** CS433  
**Semester:** Fall 2018  
**Total Marks:** 10  
**Weight:** 3.3 %  
**Page(s):** 2

**Instruction/Notes:** Attempt the quiz on the question paper and write concise answers.

<b>Marks</b>	
<b>Total</b>	1 0

<p>1. You can run the Java language on a particular operating system if?</p> <p>           a. it's a Microsoft Operating System            b. a Java Virtual Machine exists for that operating system            c. a compiler exists for that operating system            d. it's a Sun Microsystem Operating System         </p>	<p>2. Can abstract class have constructors in Java?</p> <p>           (A) Yes (B) No            (C) only private constructors are allowed            (D) only child classes can have         </p>
<p>3. What will be the final value of b?</p> <p> <b>byte</b> a = 18;  <b>byte</b> b = 13;            b = a+b*10;            a. 310      b. runtime error            c. 148      d. compile time error         </p>	<p>4. Which of this access specifiers can be used for a class so that its members can be accessed by a sub class in the different package?</p> <p>           a) Public                      b) Protected            c) No Modifier            d) All of the mentioned         </p>

5.

```

interface MyInterface {
    private int p = 20; //line 1
    final int q = 40; //line 2
    static int r = 60; //line 3
    protected void display();
    //line 4
    abstract void show(); //line 5
}

```

Which of the above lines will give compilation error?

6. Can an interface inherit from multiple interfaces?

- a) True
- b) False
- c) It depends on situation

.

Q7. What is the output of the following code?

```

class A {
    public int i;
    private int j;
}
class B extends A {
    void display() {
        super.j = super.i + 1;
        System.out.println(super.i + " " + super.j);
    }
}
class inheritance {
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}

```

- a) 2 2
- b) 3 3
- c) Runtime error
- d) Compilation error

Q8. Given the following piece of code, how many objects are created?

```

StringBuffer a = new StringBuffer("java");
StringBuffer b = new StringBuffer("language");
String c = "fast";
String d = "fast";
a.append(" software");
b.append(" development");
a.append(" StringBuffer");

```

- (A) 4                      (B) 2                      (C) 3                      (D) 7

Q9. Write a program in Java to reverse any String without using StringBuffer. (2 marks)