United International **University (UIU)**
Dept. of Computer Science & Engineering (CSE)
Class Test I : : **Trimester: Fall - 2022**

Course Code: CSE 1115, Course Title: Object-Oriented Programming, Sec: B & E
Total Marks: 4+16=20   Duration: **30 Minutes**
Answer all questions. Figures are in the right-hand margin indicates full marks.

Student Name: _____ Student ID: _____

Question 1:

```java
public class Count {
        private float a=100, b=200, c=300, sum;

        protected Count(int a, int b, float c) {
                this.a = a;
                this.b = b;
                this.c = c;
                sum = a+b+c+sum;
        }

        {
                sum = a+b+c+sum;
        }

        private void output() {
                sum = a+b+c+sum;
                System.out.println("Tolat count: " + sum);
        }

        public static void main(String[] args) {
                Count count = new Count(200, 200, 310.5F);
                count.output();
        }
}
```

Answer of Question 1: _____

Question 2: Write a Java program to accomplish each of the following tasks:

a) Create a package named *"movies"*.

b) In *"movies"* package, create a Class named *"Titanic"* which has the *main* method.

c) In *"Titanic"* class, declare two instance variables named *"directorName"* and *"featuredSong"* of String type.

d) Write the constructor for the *"Titanic"* class and initialized the instance variables using this reference keyword.

e) Write a block in *"Titanic"* class to print *"Titanic sank in the North Atlantic Ocean on 15 April 1912 after striking an iceberg"*.

f) Write a method named *"showDetails"* that prints the values of instances variables.

g) Create an object of *"Titanic"* class in the *main* method of *"Titanic"* class and pass the following Strings by the constructor: "James Cameron" and "My Heart Will Go On".

h) Call the *"showDetails"* method from the *main* method of *"Titanic"* class.

Answer of Question 2: (Please write the Java code bellow)