**BRAC University (Department of Computer Science and Engineering)**

**CSE 470 (Software Engineering) | Summer 2023**

**Quiz 4 (Set A)**

**Full Marks: 10 Duration: 20 minutes**

**Name: Student ID: Section:**

1. Suppose, Apple wants to let its users know when a new product is launching. But it does not want to bother everybody with unwanted notifications. Identify the design pattern needed to implement a notifying system only to the users who are interested in new releases. Complete the given code below. **[ 7 marks ]**

public class AppleProducts{

// Add member variables here

void addSubscriber(\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_){

// Add your code here

}

void removeSubscriber(\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_){

// Add your code here

}

void notify(){

// Add your code here

}

// Add more functions if needed here

}

public class AppleUser{

// Add your code here

}

1. State the differences between Black Box, White Box and Grey Box Testing. **[ 3 marks ]**