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| **RIPHAH INTERNATIONAL UNIVERSITY, LAHORE CAMPUS** | | | | |
|  | **Course:** | **Object Oriented Programming 2B** | **Exam:** | **Quiz 5** |
| **Duration:** | **10 mins** | **Semester:** | **Spring 2024** |
| **Date:** | **14- May - 2024** | **Marks:** | **10** |
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| **Name:**  **Instruction/Notes:** | **Sap Id. Instructor: Ayesha Majid**  **READ ALL THE INSTRUCTIONS CAREFULLY.**   1. Attempt all the questions. It is advisable to go through the paper once before starting with the first question. 2. No leniency on Cheating | | | |

**QUESTION FROM LAYOUTS**

**Error Finding: Find error in the following code and set the layout to Box Layout. (3 marks)**

Error.java

import javax.swing.\*;

import java.awt.\*;

public class Main{

public static void main(String[] args) {

JFrame frame = new JFrame("BoxLayout Example");

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

JButton button1 = new JButton("Button 1");

JButton button2 = new JButton("Button 2");

JPanel p = new JPanel();

// set the layout to box layout

panel.setLayout( );

JPanel.add(button1);

JPanel.add(button2);

frame.add(JPanel);

frame.setSize(200, 200);

frame.setVisible(true);

}

}

**QUESTION FROM LAB 7**

**(Lab 7 will be evaluated based on your performance in the following Question)**

**Question: Show the syntax of how to apply a loop with a termination condition that when user presses the key N the code terminates otherwise it will keep on executing.**

**QUESTION FROM LAB 8**

**(Lab 8 will be evaluated based on your performance in the following Question)**

**Long Questions: (3 marks)**

Create a simple calculator with following set of operations using java Swing GUI.

1. Addition
2. Multiplication

**QUESTION FROM LAB 9**

**(Lab 9 will be evaluated based on your performance in the following Question)**

**Short Question: (2 marks)**

Create a text area and change its background color using mouse action listener.