

**GLS UNIVERSITY**  
**BCA (SEM-V)**  
**SUBJECT: 0301502 Advance Java**  
**ASSIGNMENT – 3 (Unit -3 Event Handling, Swing & GUI Component)**

**A. Fill in the blanks**

1. listener has to register with \_\_\_\_\_.
2. superclass of all events is \_\_\_\_\_.
3. The \_\_\_\_\_ event occurs when the component-specific action take place.
4. The \_\_\_\_\_ event occurs when the component is moved, resized or visibility is changed.
5. The \_\_\_\_\_ events generated when a Check box or list item choice is selected or deselected
6. The \_\_\_\_\_ events generated by the change of object's text.
7. AWT stand for \_\_\_\_\_.
8. The top – level class of swing is \_\_\_\_\_.
9. To attach the components to a container \_\_\_\_\_ method is used.
10. JButton class is child of \_\_\_\_\_ class.

**B. State True or False**

1. Event in Java are handled by Delegation Event Model. [T / F]
2. In the Delegation Event Model, there is a source, which generates events. [T / F]
3. In the Delegation Event Model, The listener then initiates an action. [T / F]
4. An event is an object that describes the changes of state of a source. [T / F]
5. The key events generated by key strokes. [T / F]
6. The Mouse events generated by mouse clicks and movements. [T / F]
7. The Window events generated by the change of window status. [T / F]
8. JFC stand for Java Foundation Classes. [T / F]
9. The Swing classes are subclasses of java.awt.Container & java.awt.Component. [T / F]
10. JFrame is Container. [T / F]

**C. Explain in Detail**

1. Explain the Delegation Event Model with Diagram.
2. List the types of Event with its work.
3. Explain Swing GUI component with its hierarchy and diagram.
4. Explain JFrame class with its method and sample code.
5. Write a short note on Window Event class
6. Write a short note on Mouse Event class.

7. Explain all the method of Jbutton class with sample code.
8. Write a short note on Action Event class.
9. Write short note on JLabel class.
10. Write a short note on Adjustment Event class.
11. Write a short note on Component Event class.
12. Write a short note on Item Event class.
13. Write a short note on Key Event class.
14. Write a short note on Text Event class.

**Question set A and B are Compulsory for each student.  
Question Set C need to attempt as follow:**

Sr. No	Group No.	Questions
1.	A01 To A10 B01 TO B10 C01 TO C10	1,7,12,5,13
2.	A11 TO A20 B11 TO B20 C11 TO C20	2,8,11,6,14
3.	A21 TO A30 B21 TO B30 C21 TO C30	3,9,10,7,5
4.	A31 TO A40 B31 TO B40 C31 TO C40	4,10,9,8,6
5.	A41 TO A50 B41 TO B50 C41 TO C50	5,11,8,9,13
6.	A51 TO A60 B51 TO B60 C51 TO C60	2,8,10,13,5
7.	A61 TO A70 B61 TO B70 C61 TO C70	6,12,7,10,14
8.	A71 To A80 B71 TO B80 C71 TO C80	1,7,12,5,13
9.	A81 TO A90 B81 TO B90 C81 TO C90	2,8,11,6,14
10.	A91 onwards B91 onwards C91 onwards	3,9,10,7,5