OBJECT ORIENTED PROGRAMMING WITH JAVA

Assignment-9

TYPE OF QUESTION: MCQ

Number of questions: 10   **Total mark: 10× 1 = 10**

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QUESTION 1:

Which of the following is/are correct **regarding events in Java?**

    a. *EventObject* is super class of all the events.
    b. *AdjustmentEvent* will be notified if scroll bar is manipulated.
    c. All the classes and methods required for even handling in Java is in *java.io* package.
    d. *getID( )* method can be used to determine the name of an event.

Correct Answer: a, b

Detailed Solution:

EventObject class is a super class of all the events and is defined in java.util package. AdjustmentEvent is generated when a scroll bar is manipulated. All the classes and methods required for even handling in Java is in *java.awt* package. The method *getID( )* is used to determine the type of event.

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QUESTION 2:

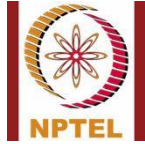**Which of the following classes is used to display a message dialog in Java Swing?**

    a. JOptionPane
    b. JDialog
    c. JMessageDialog
    d. JFrame

Correct Answer: a

Detailed Solution:

JOptionPane is used to display a message dialog in Java Swing**.**

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QUESTION 3:

Which of the following event is occurred when a button is pressed, a list item is double-clicked or a menu item is selected?

    a. AdjustmentEvent
    b. ActionEvent
    c. ContainerEvent
    d. ComponentEvent

Correct Answer: b

Detailed Solution:
ActionEvent is generated when a button is pressed, a list item is double-clicked or a menu item is selected.

QUESTION 4:

Which of the statements are correct about Swing programming?

    a. AWT is a heavyweight programming.
    b. Swing is heavyweight programming.
    c. Swing is lightweight programming.
    d. Both AWT and Swing are lightweight programming.

Correct Answer: c
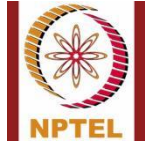
Detailed Solution:

Swing is lightweight programming.

QUESTION 5:

Event class is defined in which of the following libraries?

    a. java.io
    b. java.lang
    c. java.net
    d. java.util

Correct Answer: d

Detailed Solution:

Event class is defined in java.util library.

QUESTION 6:

Which of the following is/are class(es) in javax.swing package?

    a. BoxLayout
    b. MenuElement
    c. JComponent
    d. Scrollable

Correct Answer: a, c

Detailed Solution:
MenuElement:
Any component that can be placed into a menu should implement this interface.

Scrollable:
An interface that provides information to a scrolling container like JScrollPane.

All others are Class.

QUESTION 7:

Which of the following statement(s) is/are true?

    a. Swing component **frame** does not support Window Listner.
    b. Swing component **combobox** does not support Window Listner.
    c. Swing component **checkbox** does not support Window Listner.
    d. Swing component **dialog** does not support Window Listner.
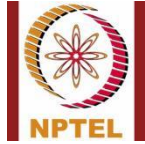
Correct Answer: b, c

Detailed Solution:
Swing component **frame** support Window Listner.
Swing component **dialog** support Window Listner.
Swing component **combobox** does not support Window Listner.
Swing component **checkbox** does not support Window Listner.

QUESTION 8:

A class which implements the ActionListener interface, also it must implement which of the following methods?

     a. void handle(ActionEvent e)
     b. void actionPerformed(ActionEvent e)
     c. void eventDispatched(AWTEvent e)
     d. String getActionCommand(ActionEvent e)

Correct Answer: b

Detailed Solution:

A class which implements the ActionListener interface must implement void actionPerformed(ActionEvent e).

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QUESTION 9:

When a component is added or removed, which of the following events is generated?

     a. ComponentEvent
     b. ContainerEvent
     c. FocusEvent
     d. InputEvent

Correct Answer: b

Detailed Solution:

A ContainerEvent is generated when a component is added to or removed from a container. It has two integer constants COMPONENT_ADDED & COMPONENT_REMOVED.

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QUESTION 10:

Which of these packages contains all the event handling interfaces?

     a. java.lang
     b. java.awt
     c. java.awt.event
     d. java.event

Correct Answer: c

Detailed Solution:

java.awt.event contains all the event handling interfaces.

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