OBJECT ORIENTED PROGRAMMING WITH JAVA
Assignment-9
TYPE OF QUESTION: MCQ

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

QUESTION 1:

Which of the following Swing components inherently support the WindowListener interface?

     a. Swing frames (JFrame)
     b. Swing checkboxes (JCheckBox)
     c. Swing dialogs (JDialog)
     d. Swing combo boxes (JComboBox)

Correct Answer: a, c

Detailed Solution:

Swing frames (JFrame) and Swing dialogs (JDialog) Swing components inherently support the WindowListener interface.

QUESTION 2:

Which class in Swing provides a graphical way to display images, icons, or custom graphics?

     a. JImage
     b. JLabel
     c. JImageIcon
     d. JDialog

Correct Answer: b

Detailed Solution:

JLabel is used to display images, icons, or custom graphics.

QUESTION 3:

Which event listener interface is commonly used to handle user actions like button clicks in Swing?

    a. ActionListener
    b. MouseListener
    c. KeyListener
    d. WindowListener

Correct Answer: a

Detailed Solution:

ActionListener interface is commonly used to handle user actions like button clicks in Swing.

QUESTION 4:

What is/are the way(s) to create a Frame in Java Swing?

    a. By creating the object of Frame class (association)
    b. By extending Frame class (inheritance)
    c. By importing a package named JFrame
    d. By declaring a class with name JFrame

Correct Answer: a, b

Detailed Solution:

We can create a frame component by creating the object of Frame class (*association*) and by extending Frame class (*inheritance*).

QUESTION 5:

Which method is used to add a component to a JPanel in Java Swing?

    a. add ( )
    b. addComponent( )
    c. addElement( )
    d. insertComponent( )

Correct Answer: a

Detailed Solution:
add( ) - method is used to add a component to a JPanel in Java Swing . Other options are not valid in the context of JPanel.

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QUESTION 6:

Which of the following(s) is/are interface(s) of java.awt package?

    a. Button
    b. Paint
    c. Dialog
    d. Shape

Correct Answer: b, d

Detailed Solution:
Paint, Shape are interfaces of **java.awt package.**

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QUESTION 7:

Which AWT layout manager is often used to create a responsive grid of components that automatically adjusts to the container's size?

    a. BorderLayout
    b. GridLayout
    c. GridBagLayout
    d. BoxLayout

Correct Answer: b

Detailed Solution:

GridLayout manager is often used to create a responsive grid of components that automatically adjusts to the container's size
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QUESTION 8:

Which Swing component is used for allowing users to select files and directories from the file system?

    a. JFileChooser
    b. JFileSelector
    c. JFilePicker
    d. JFileDialog

Correct Answer: a

Detailed Solution:

QUESTION 9:

What is the primary disadvantage of using AWT over Swing for GUI development?

    a. AWT components are not well-suited for complex layouts.
    b. AWT lacks support for event handling.
    c. AWT components are heavyweight and platform-dependent.
    d. AWT does not support graphics rendering.

Correct Answer: c

Detailed Solution:

AWT components are heavyweight and platform-dependent.

QUESTION 10:

Which of the following is/are valid alignment option(s) for components in a FlowLayout?

    a. LEFT
    b. TOP
    c. BOTTOM
    d. LEADING

Correct Answer: a, d

Detailed Solution:

The following are valid alignment options for components in a FlowLayout in Java:
LEFT, RIGHT, CENTER, LEADING, TRAILING.

************END************