

## Assignment No. 2

### Answer the following questions:

(Note: Only one answer is correct).

1. In which package Swing components are defined?
  - a) javax.applet.swing
  - b) javax.swing
  - c) java.javax.swing
  - d) javax.java.swing
2. The super class of all swing buttons is –
  - a) Button
  - b) ButtonGroup
  - c) JButton
  - d) AbstractButton
3. Which of the following alignment is not possible for JLabel?
  - a) TOP
  - b) LEFT
  - c) CENTER
  - d) LEADING
4. Alignment constants of JLabel are the part of –
  - a) SwingConstants interface
  - b) SwingConstants class
  - c) Swing class
  - d) Graphics class
5. How will you set icon for the JLabel?
  - a) Using Icon class directly
  - b) Using setIcon( ) method
  - c) Using makeIcon( ) method
  - d) It is not possible to set icon for JLabel
6. Swing's text field is encapsulated by –
  - a) Component class
  - b) JComponent class
  - c) Container class
  - d) JTextComponent class

7. How to give number of columns for JTextField?
  - a) Use `setColumns( )` method
  - b) Use the value directly in the constructor
  - c) Using `applyColumn( )` method.
  - d) We have to use JTextArea class
8. What is the return type of `getText( )` method of JButton class?
  - a) void
  - b) String
  - c) Character array
  - d) There is no such method
9. How will you assign the string and icon both to the JButton?
  - a) It is not possible
  - b) Use the `setTextIcon( )` method
  - c) Use the `setIconText( )` method
  - d) Initialize them directly in the constructor
10. Which event is generated when a JButton is pushed?
  - a) ItemEvent
  - b) TextEvent
  - c) PushEvent
  - d) ActionEvent
11. Immediate super class of JCheckBox is –
  - a) JComponent
  - b) JApplet
  - c) JCKeckBoxGroup
  - d) JToggleButton
12. The constructor `JCheckBox(true, "YES")` suggests that –
  - a) Checkbox is selected and displays the string "YES" on it.
  - b) Checkbox is deselected and displays the string "YES" on it.
  - c) Checkbox is selected and it shows the tick always on it.
  - d) There is no such constructor.
13. When JCheckBox is clicked the \_\_\_\_\_ event is generated.
  - a) ItemEvent
  - b) ActionEvent
  - c) TextEvent
  - d) MouseEvent
14. How can we create Radio buttons?
  - a) Using ButtonGroup class
  - b) Using JCheckboxGroup class

- c) Using JRadioButton class
  - d) Using JButton class
15. How to make the group of Radio buttons?
- a) Using ButtonGroup class
  - b) Using JButtonGroup class
  - c) Using JRadioButton
  - d) Using AbstractButton class
16. How to contents of whole vector into the JComboBox?
- a) Use the constructor of JComboBox
  - b) Use method addItem( )
  - c) Use method addVector( )
  - d) Use method addValues( )
17. How to prevent the drop-down list of JComboBox?
- a) It is not possible
  - b) We can use method preventDropMenu( ) method
  - c) Directly give the value „false“ in the constructor
  - d) Use setList( ) method.
18. Which method is used to define the tabs in the tabbed pane?
- a) add( )
  - b) addItem( )
  - c) addPane( )
  - d) addTab( )
19. The scroll bar constants for scroll pane are defined in –
- a) Scrollbar class
  - b) ScrollPane class
  - c) ScrollPaneConstants class
  - d) Component class
20. Which of the following constants shows scroll bars always?
- a) HORIZONTAL\_SCROLLBAR\_ALWAYS
  - b) HORIZONTAL\_SCROLLBAR\_AS\_NEEDED
  - c) HORIZONTAL\_SCROLLBARS
  - d) HORIZONTAL\_ALWAYS
21. JScrollPane is an immediate sub-class of –
- a) JContainer
  - b) JApplet
  - c) JComponent
  - d) ScrollPane

22. Is it possible to add array of objects to trees? How?
- a) Not possible
  - b) Yes, using its one of the forms of constructor
  - c) Yes, using the add( ) method
  - d) Yes, using the addItem( ) method
23. Which items we can't directly add to JTree using its constructor?
- a) Array of objects
  - b) Vector
  - c) Hash table
  - d) Arrays
24. When tree is expanded, which event is generated?
- a) ExpansionEvent
  - b) TreeExpansionEvent
  - c) ItemEvent
  - d) ActionEvent
25. Which method is used to translate a mouse click on a specific point of the tree to a tree path?
- a) translatePoint( )
  - b) getLocation( )
  - c) getPathForLocation( )
  - d) getPath( )
26. The TreeNode is –
- a) A class
  - b) An interface
  - c) A variable
  - d) Nothing
27. The TreeExpansionEvent class is defined in –
- a) java.awt package
  - b) javax.swing package
  - c) java.awt.event package
  - d) javax.swing.event package
28. TreeExpansionListener interface provides following method –
- a) getExpanded( )
  - b) treeExpanded( )
  - c) expanded( )
  - d) None of the above
29. How to create for Vector elements?
- a) Pass vector as parameter for JTree

- b) Use method addElements( ) for JTree class.
  - c) Use method addVector( ) method of JComponent class
  - d) It is not possible
30. Which two parameters are required for JTree constructor to create a tree?
- a) Data array and Row Headings
  - b) Data array and Column Headings
  - c) Single data element and Column heading
  - d) Single data element and Row heading