Chapter 2: Abstract Window Toolkit (AWT).

1. AWT components are

   (A) Platform dependent
   (B) Platform Independent
   (C) Both A & B
   (D) None of Above

2. AWT components are

   (A) lightweight
   (B) heavyweight
   (C) equalweight
   (D) None of Above

3. State true or false: AWT is used for GUI programming in java.

   (A) true
   (B) false

4. AWT components are available in

   (A) java.util package
   (B) java.io package
   (C) javax.awt package
   (D) java.awt package

5. Which of the following class is derived from the container class?

   (A) Component
   (B) List
   (C) Panel
   (D) MenuComponent

6. Which container that contain title bar and can have MenuBars? It can have other components like button, textfield etc.

   (A) Panel
   (B) Container
   (C) Frame
   (D) Window

7. Which component in AWT that can contain another components like buttons, textfields, labels etc.?

(A) Panel
(B) Container
(C) Frame
(D) Window

8. Which class provides many methods for graphics programming?

(A) java.awt.Graphics
(B) java.Graphics
(C) java.awt
(D) None of Above

9. State true or false: We can create frame using extending Frame class and instantiate frame class.

(A) true
(B) false

10. The size of a frame on the screen is measured in _____.

(A) Inches
(B) Dots
(C) Nits
(D) Pixels

11. Following four methods commonly used in?
    1)public void add(Component c)
    2)public void setSize(int width, int height)
    3)public void setLayout(LayoutManager m)
    4)public void setVisible(boolean)

(A) Component class
(B) Graphics class
(C) Both A & B
(D) None of Above

12. setBackground() method to set the background color for ____?

(A) Component
(B) Container

(C) JComponent

(D) None of Above

13. How many types of controls does AWT supports these controls are subclasses of component?

(A) 5

(B) 6

(C) 7

(D) 8

14. Which method is used to set color?

(A) public abstract void putColor(Color c)

(B) public abstract void setColor(Color c)

(C) public abstract void getColor(Color c)

(D) None of Above

15. What does the following line of code do?
    Textfield text = new Textfield(10);

(A) Creates the object TextField and initializes it with the value 10.

(B) Creates TextField object that can hold 10 rows of text.

(C) Creates TextField object that can hold 10 columns of text.

(D) All of Above

16. Which statement creates a Text Area with 10 rows and 20 columns?

(A) TextArea text = new TextArea(10,20);

(B) TextArea text = new TextArea(20,10);

(C) TextArea text = new TextArea(200);

(D) None of Above

17. To make dropdown menu of choice which component is used in AWT?

(A) List

(B) Combobox

(C) Checkbox

(D) Choice

18. State true or False: User can edit information displayed in Label at runtime.

(A) true
(B) False

19. How many line input takes from user in Text Field in AWT.

(A) 3
(B) 2
(C) 1
(D) None of Above

20. Using which component user can implement radiobutton in AWT?

(A) Checkbox with CheckboxGroup
(B) Only Checkbox
(C) RadioButton
(D) JRadioButton

21. Which method can set or change the text in a Label?

(A) getText()
(B) setText()
(C) Both A & B
(D) None of Above

22. Which of following components that do not support any interaction with the user?

(A) Button
(B) Checkbox
(C) Labels
(D) List

23. Which abstract class is the super class of all menu related classes?

(A) MenuBar
(B) CheckboxMenuItem
(C) MenuItem
(D) MenuComponent

24. Which can be used to represent a checkbox with a textual label that can appear in a menu?

(A) MenuBar
(B) Menu

(C) CheckboxMenuItem
(D) MenuItem

25. Layout manager is used to

(A) Add component to Layout
(B) Arrage components in particular manner
(C) Both A & B
(D) None of Above

26. Which of the following is not layout manager?

(A) FlowLayout
(B) GridLayout
(C) CardLayout
(D) None of Above

27. Which layout is used for the container has a row of components that should all be displayed at the same size, filling the container entire area?

(A) FlowLayout
(B) GridLayout
(C) CardLayout
(D) None of Above

28. In which layout NORTH, SOUTH, EAST, WEST regions available?

(A) FlowLayout
(B) GridLayout
(C) BorderLayout
(D) CardLayout

29. In which layout only one component visible at a time?

(A) FlowLayout
(B) GridLayout
(C) BorderLayout
(D) CardLayout

30. Which layout is used to arrage components in a line left to right on after another?

(A) FlowLayout
(B) GridLayout
(C) BorderLayout
(D) CardLayout

31. Which of the following class is super class that declares common features of GUI components in packages java.awt and javax.swing?

(A) Container
(B) Frame
(C) Component
(D) Panel

32. State true or false: Swing is not a part of JFC that is used to create GUI application.

(A) true
(B) false

33. What is fullform of JFC?

(A) Java Functions Collections
(B) Javax Foundation Class
(C) Java Foundation Classes
(D) None of Above

34. Swing components are

(A) Platform dependent
(B) Platform Independent
(C) Both A & B
(D) None of Above

35. The following specifies the advantages of
It is lightweight.
It supports pluggable look and feel.
It follows MVC.

(A) AWT
(B) Swing
(C) Both A & B
(D) None of Above

36. Which package needs to import to implement swing program?

(A) javax.swing
(B) java.swing
(C) java.awt
(D) None of Above

37. Which of the following is not type of look & feel?

(A) Metal Look & Feel
(B) Motif Look & Feel
(C) Motive Look & Feel
(D) Windows Look & Feel

38. State true or false: Swing have more components than AWT.

(A) true
(B) false

39. Which of following class is used to implement frame in swing?

(A) Jwindow
(B) JFrame
(C) Frame
(D) SwingFrame

40. Which class is used to implement radiobutton using swing?

(A) RadioButton
(B) JCheckBox with CheckboxGroup
(C) JRadioButton
(D) None of Above

41. Which class is used to implement dropdown using swing?

(A) Jlist
(B) JRadioButton
(C) ComboBox
(D) JComboBox

42. Which of following is correct?

(A) JTextComponent extens JTextArea
(B) JTextArea extens JTextField
(C) JTextField extens JTextComponent
(D) JTextComponent extens JTextField

43. Which inbuilt dialog allows user to select file?

(A) JFileInputChooser
(B) JFileChooser

(C) JFileSelector

(D) JFileInputSelector

44. Which of following is correct statement?

(A) A dialog can have menubar

(B) JMenuItem extends Jmenu

(C) Menu item can be added to menu

(D) All of Above

45. _____ component provides to show various dialog such as error, user specific message, confirmation etc.

(A) JDialogBox

(B) JFileChooser

(C) Jtable

(D) JOptionPane

46. Which of following control is available in swing but not in AWT?

(A) Button

(B) Label

(C) RadioButton

(D) CheckBox

47. The Swing Component classes that are used in Encapsulates a mutually exclusive set of buttons?

(A) ButtonGroup

(B) JButton

(C) AbstractButton

(D) ImageIcon

48. In which place event handling code placed?

(A) Within class

(B) Other Class

(C) Anonymous Class

(D) All of Above

49. The following steps are required to perform
    1) Implement interface and override its method
    2) Register component with listener

(A) String Handling

(B) Exception Handling
(C) Event Handling
(D) None of Above

50. Which of these is superclass of all Adapter classes?

(A) Event
(B) Applet
(C) ComponentEvent
(D) InputEvent

51. Which class is super class of all the events?

(A) EventObject
(B) EventClass
(C) ActionEvent
(D) ItemEvent

52. What is listener in context to event handling?

(A) A listener is a variable that is notified when an event occurs
(B) A listener is a object that is notified when an event occurs
(C) A listener is a method that is notified when an event occurs
(D) None of Above

53. What is an event in delegation event model used by Java programming language?

(A) An event is an object that describes a state change in processing
(B) An event is an object that describes any change by the user and system
(C) An event is a class used for defining object, to create events
(D) An event is an object that describes a state change in a source

54. Which of following interface define a method itemStateChanged()?

(A) ActionListener
(B) ItemListener
(C) MouseListener
(D) ComponentListener

55. Which of following interfaces define a method actionPerformed()?

(A) ContainerListener
(B) ItemListener
(C) ActionListener

(D) MouseListener

56. Which of following method will respond when we click by mouse in frame?

(A) mousePressed()
(B) mouseEntered()
(C) mouseClicked()
(D) All of Above

57. Which of following method will be invoked if a character is entered from keyboard?

(A) keyTyped()
(B) keyPressed()
(C) keyReleased()
(D) keyEntered()

58. Which of following method is defined in MouseMotionAdapter class?

(A) mousePressed()
(B) mouseClicked()
(C) mouseDragged()
(D) mouseReleased()

59. Which event will be notified if scroll bar is manipulated?

(A) AdjustmentEvent
(B) WindowEvent
(C) ComponentEvent
(D) ActionEvent

60. Which method is used to register a keyboard event listener?

(A) KeyListener()
(B) addKeyListener()
(C) eventKeyboardListener()
(D) None of Above

61. Which of the methods are used to register a mouse motion listener?

(A) addMouse()
(B) addMouseListener()
(C) addMouseMotionListner()
(D) None of Above

62. Which package needs to import for hadlining event?

(A) Java.Applet
(B) Java.awt.event
(C) Java.event
(D) None of Above

63. Which of following event generate when button is pressed?

(A) WindowEvent
(B) ActionEvent
(C) PressEvent
(D) ButtonEvent

64. Which of following event generate when checkbox is clicked?

(A) CheckBoxEvent
(B) ItemPressEvent
(C) ItemEvent
(D) ClickEvent

65. Which of following event generate when input received from keyboard?

(A) KeyEvent
(B) KeyBoardEvent
(C) KeyPressedEvent
(D) None of Above

66. Which swing component is source of ItemEvent?

(A) JPopupMenu
(B) Jlabel
(C) JTextField
(D) JComboBox

67. Which of following is/are constants defined in WindowEvent class?

(A) WINDOW_ACTIVATED
(B) WINDOW_CLOSED
(C) WINDOW_DEICONIFIED
(D) All of Above