** Computer Engineering Department**

**Vision:** “To contribute to society through excellence in scientific and knowledgeable based education of computer science professionals”.

**Mission:**

* M1:- “To transform students into technically components, socially responsible &amp; ethical

computer science professionals.”

* M2:- “To promote a creative teaching learning process that will strive for academic excellence in

 the field of computer engineering.”

* M3:- “To enhance the technical expertise of students through workshop &amp; industry institute

 interaction.”

**Subject Name:advanced java programming Date :-20-08-2024**

**Course Outcome: Handle Events of AWT and Swing Components**

**Topic Name :- (Swings)**

**Assignment No :-2**

1. The following specifies the advantages of   It is lightweight.It supports pluggable look and feel.It follows MVC (Model View Controller)architecture.

 (a) Swing

(b) AWT

(c) Both A & B

(d) None of the above

2. Swing is not a part of JFC (Java Foundation Classes)that is used to create GUI applications?

 (a) True

(b) False

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

 (a) AbstractButton

(b) ButtonGroup

(c) JButton

(d) ImageIcon

4. The Java Foundation Classes (JFC) is a set of GUI components which simplify the development of desktop applications?

 (a) True

(b) False

5. Which package is used for import the swing components?

 (a) java.swing

(b) java.awt

(c) javax.swing

(d) All of the above

6. The String parameter to JButton constructor\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 (a) tell which region to put the JButton in.

(b) tells the color of the JButton.

(c) tells what text will appear on JButton.

(d) tells what should happen when JButton is pressed.

7. MVC architecture is \_\_\_\_\_\_\_\_\_

(a) Modelling – Visual – Controller

(b) Model – View – Controller

(c) Model – Viewable – Controller

(d) Many – View – Controller

8. Which package is used for importing swing components?\*

(a) java.swing

(b) javax.swing

(c) java.awt

(d) All of the above

9. In swing, Buttons are sub-classes of which class?\*

 (a) AbstractButton

 (b) JButton

 (c) Button

 (d) JRadioButton

10. JTree class belongs to which package?\*

 (a) java.awt

(b) java.applet

(c) java.swing

(d) javax.swing

11. Which component is swing represents data in row and columns?

 (a) JTextArea

(b) JTable

(c) JPanel

(d) JtabbedPane

12. Which of the following is not constructor of JTree?

 (a) JTree(TreeNode tn)

(b) JTree(Vector v)

(c) JTree(int x)

(d) none of the above

13. \_\_\_\_\_\_\_\_\_\_\_\_class used to create node in tree.

 (a) TreeNode

(b) DefaultMutableNode

(c) DefaultMutableTreeNode

(d) Node

14. JTabbedPane class is present in which package?

 (a) java.awt

(b) java.swing

(c) java.awt.swing

(d) javax.swing

15. What is purpose of JTree?

 (a) To show data in form of parent and child nodes.

(b) To show data in list view.

(c) To show data in tabular form.

(d) To show data in menu‐bar.

16. What is the use of : Container getContentPane( )

(a) Returns Container for a JDialog.

(b) Returns a ContentPane for Menu

(c) Returns a ContentPane for Applet

(d) None of the above

17. Which of the following method is not applicable for Button  in swing.

(a) setDiableIcon( )

(b) setPressedIcon( )

(c) setSelectedIcon( )

(d) setRollOverIcon( )

18. Which of the following method is used to retrieve icon of JButton?

 (a) Icon getIcon( )

(b) ImageIcon getImageIcon( )

(c) ImageIcon getIcon( )

(d) ImageIcon GetImageIcon( )

19. From the following list which is not Swing class?

(a) JLabel

(b) JButton

(c) JImageIcon

(d) JCheckBox

20. Which component provides support for two‐state buttons?

(a) Button, Checkbox

(b) JCheckBox,JRadioButton

(c) Button, MenuItem

(d) JCheckBox, TextField