

Department of Computer Science and Engineering

Object Oriented Programming Through Java (25CS303)

Unit wise Question Bank

UNIT-V				
APPLETS AND SWING				
S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is AWT (Abstract Window Toolkit)?	L1	CO5	PO1
2	Differentiate AWT components from Swing components.	L1	CO5	PO2
3	What is the Delegation Event Model?	L1	CO5	PO1
4	Name any four Event Listener interfaces in Java.	L1	CO5	PO1
5	What are Layout Managers in Java? Name three types.	L1	CO5	PO1
6	What is the role of JFrame and JPanel in Swing?	L1	CO5	PO1
7	What is JDBC (Java Database Connectivity)?	L1	CO5	PO1
8	Name the major steps involved in connecting to a database using JDBC.	L1	CO5	PO2
9	Differentiate Statement and PreparedStatement interfaces.	L1	CO5	PO2
10	What is ResultSet in JDBC?	L1	CO5	PO1
Part – B (Long Answer Questions)				
11	Explain the Delegation Event Model in detail with Event Sources, Event Objects, and Event Listeners.	L2	CO5	PO2
12	Explain Event Handling for Button clicks using ActionListener with a complete GUI program.	L3	CO5	PO3
13	Discuss standard Layout Managers (FlowLayout, BorderLayout, GridLayout, GridBagLayout) with examples.	L2	CO5	PO2
14	Explain key Swing components (JLabel, JTextField, JButton, JCheckBox, JRadioButton, JComboBox) with code snippet.	L2	CO5	PO3
15	Design a Swing GUI application for a Simple Calculator performing Addition, Subtraction, Multiplication, and Division.	L3	CO5	PO3
16	Explain JDBC Architecture and the four types of JDBC drivers with diagrams/comparisons.	L2	CO5	PO2
17	Explain step-by-step procedure to establish a Database connection and query data using JDBC with a Java program.	L3	CO5	PO3
18	Explain CRUD (Create, Read, Update, Delete) operations using JDBC with complete code snippets.	L3	CO5	PO3
19	Discuss Mouse Events (MouseListener, MouseMotionListener) and Key Events (KeyListener) with example programs.	L2	CO5	PO2
20	What are Adapter Classes in Event Handling? How do they simplify code compared to Listener interfaces?	L2	CO5	PO2