

Seat No. : _____

AD-106

April-2023

BCA, Sem.-VI

**302 (C) : Advanced JAVA
(New)**

Time : 2:30 Hours]

[Max. Marks : 70

1. Write the following :

- (i) Explain any four methods of Buffered Reader class with example. 7
- (ii) What is stream ? Explain types of Stream class in detail. 7

OR

- (i) Explain File class in detail. 7
- (ii) Explain Random Access File with example. 7

2. Write the following :

- (i) List the various types Layout Manager. Explain Flow Layout with example. 7
- (ii) Explain JLabel class with all methods and constructor with example. 7

OR

- (i) Explain JButton class with all methods and constructor with example. 7
- (ii) Explain Border Layout and CardLayout with example. 7

3. Write the following :

- (i) Explain Event Delegation Model in detail. 7
- (ii) Explain Datagram Packet and Datagram Socket in detail. 7

OR

- (i) What is Socket Programming ? Explain any two methods with example. 7
- (ii) What is Event ? Explain Action Event with example. 7

4. Write the following :

- (i) Explain types of JDBC Driver in detail. 7
- (ii) Difference between JDBC and ODBC. 7

OR

- (i) Explain Driver Manager Class with example. 7
- (ii) Explain JDBC Architecture in detail. 7

5. MCQs : (Attempt any 7 out of 12)

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- (1) What is default layout for Dialog ?
 - (a) FlowLayout
 - (b) GridLayout
 - (c) CardLayout
 - (d) BorderLayout
- (2) Panel is defined as _____.
 - (a) Panel class is a concrete sub-class of container
 - (b) A Panel is a window that does not contain a title bar, menu bar or border
 - (c) Panel is the superclass of Applet
 - (d) All of the above
- (3) Which package is used for importing swing components ?
 - (a) java.swing
 - (b) javax.swing
 - (c) java.awt
 - (d) All of the above
- (4) In swing, Buttons are subclasses of which class ?
 - (a) AbstractButton
 - (b) JButton
 - (c) Button
 - (d) JRadioButton
- (5) TextField generates _____ event.
 - (a) ActionEvent, ItemEvent
 - (b) ActionEvent, TextEvent
 - (c) ScrollEvent, TextEvent
 - (d) ActionEvent, ScrollEvent
- (6) Which of the following component generates ActionEvent ?
 - (a) Window
 - (b) RadioButton
 - (c) ScrollBar
 - (d) None
- (7) Which method is used to process mouse click ?
 - (a) public void mouseClicked(MouseListener m)
 - (b) public void mouseClicked(MouseEvent m)
 - (c) public void mouseClicked(MouseEvent m)
 - (d) public void mouseClick(MouseEvent m)
- (8) Which of the following method must be overridden in the order to handle KeyEvent ?
 - (a) keyPressed(KeyEvent obj)
 - (b) KeyReleased(KeyEvent obj)
 - (c) KeyTyped(KeyEvent obj)
 - (d) All of these
- (9) UDP stands for _____.
 - (a) User Data Port
 - (b) User Datagram Protocol
 - (c) Used Data Provider
 - (d) User Data Protocol
- (10) Name the class which is used to create a port where the server will listen.
 - (a) Server
 - (b) Socket
 - (c) ServerSocket
 - (d) SocketServer
- (11) Which of the following method is used to perform DML statements in JDBC ?
 - (a) executeResult()
 - (b) executeQuery()
 - (c) executeUpdate()
 - (d) execute()
- (12) Which of the following is not a valid statement in JDBC ?
 - (a) Statement
 - (b) PreparedStatement
 - (c) QueryStatement
 - (d) CallableStatement