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SPECIALIZATION IN CYBER SECURITY (CS)

EXAMINATION : JUNE - 2025

SEMESTER - VI

Sub: Advanced Java (BCA –641-18/BCA-641-20/BCA-CS-641-20)

Date : 04/06/2025

Total Marks : 60

Time: 10.00am to 12.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

Q.1. Fill in the blanks.

(05)

1. AWT stands for _____.
 - a) Applet Windowing Toolkit
 - b) Abstract Windowing Toolkit
 - c) Absolute Windowing Toolkit
 - d) None of the above
2. _____ is the container that contain title bar and can have MenuBars. It can have other components like button, textfield etc.
 - a) Panel
 - b) Frame
 - c) Window
 - d) Container
3. _____ is a component in AWT that can contain another components like buttons, textfields, labels etc.
 - a) Window
 - b) Container
 - c) Panel
 - d) Frame
4. Java was released in the year _____.
 - a) 1991
 - b) 1993
 - c) 1995
 - d) 1997
5. _____ package is used for import the swing components.
 - a) java.swing
 - b) java.awt
 - c) javax.swing
 - d) All of the above

Q.2. State True/False.

(05)

1. The model is responsible for maintaining all aspects of the components state.
2. JFrames close automatically when you click on the close button.
3. A JLabel has three major features that Label does not.
4. SQL is not the standard language for accessing relational databases.
5. JDBC drivers fit into five categories.

Q.3. Answer the following. (Solve any 5)

(10)

1. What is ODBC?
2. What is JPanel?
3. What is Java Framework?
4. What is internet protocol?
5. What is URL?
6. Define Socket.

Q. 4. Answer the following in detail. (Solve any 6)

(30)

1. Describe 2-tier& 3-tier model with diagram.
2. What is a Servlet?
3. What is a Cookie? How to create a Cookie?
4. Explain JFrame in detail.
5. What are the advantages of the Java Collection Framework?
6. Explain JSP in detail.
7. What are the advantages of Java Beans ?

Q. 5. Answer the following in detail. (Solve any 1)

(10)

1. Write in Detail about Servlet Lifecycle.
 2. Write in detail control statements and loop statements in Java.
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