



RAN-2111000306020084

T.Y.B.Sc. (Sem. - VI) Examination September - 2025

Computer Science - IX (Paper - 604: Java Programming-II)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Sem. - VI)

Name of the Subject :

Computer Science - IX (Paper - 604: Java Programming-II)

Subject Code No.: 2111000306020084

Seat No.:

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Student's Signature

Q. 1 Answer the following.

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1. What is a callable statement in JDBC? Explain its purpose.
2. Describe Java Database Connectivity (JDBC) and its importance in application development.
3. How can a status message be displayed on the browser's status bar?
4. Define an Event Source and an Event Listener in Java.
5. What are the steps to draw a rounded rectangle in an applet?
6. Explain the difference between daemon threads and user threads.
7. What is the purpose of the execute Update () method in JDBC?

Q. 2 Answer the following.

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1. Explain the different phases of a thread's life cycle in Java.
2. Compare and contrast FlowLayout and GridLayout managers with examples.

OR

1. Discuss the importance of layout managers in building Java GUIs.
2. Describe the features and methods of the Graphics class in applets.

Q. 3 Answer the following.

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1. How does the ActionListener interface facilitate event handling in Java? Provide an example.
2. Explain features of the Checkbox class in Java. Demonstrate with an example.

OR

1. Explain Applet Life Cycle.
2. Illustrate the process of connecting Java with a database.

Q. 4 **Answer the following. (Any two)**

12

1. Explain JSP directives and their utility in web application development.
2. Discuss Servlet life cycle.
3. Examine the CRUD operations in JDBC with practical examples.
