

RAN-2111000306020084

B.Sc. (Comp. Sci.) Semester-VI Examination March - 2026
Computer Science-IX (Paper-604 - JAVA Programming-II)

Time: 2 Hours]
[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1" style="width: 100%; height: 30px; border-collapse: collapse;"> <tr> <td style="width: 16.6%;"></td> <td style="width: 16.6%;"></td> <td style="width: 16.6%;"></td> <td style="width: 16.6%;"></td> <td style="width: 16.6%;"></td> <td style="width: 16.6%;"></td> </tr> </table> Student's Signature						

- Q-1. Answer the following: 14**
- 1) Define daemon thread.
 - 2) What is the purpose of sleep() method in Java?
 - 3) How can a circle be drawn in an applet?
 - 4) Define Prepared Statement.
 - 5) What is meant by an event listener?
 - 6) Explain scriptlets with a suitable example.
 - 7) What do you understand by Java Database Connectivity (JDBC)?
- Q-2. Answer the following: 12**
- 1) Explain the life cycle of a thread in Java.
 - 2) Describe the concept of thread synchronization with an example.
- OR**
- 1) Explain the applet life cycle and illustrate the sequence of its execution.
 - 2) Discuss checkboxes in Java GUI, including their methods and events.
- Q-3. Answer the following: 12**
- 1) Explain how ActionListener handles user events with an example.
 - 2) Describe the different layout managers used in Java.
- OR**
- 1) What is AWT? Explain the importance and usage of AWT packages.
 - 2) Explain TextField and TextArea classes along with their methods.
- Q-4. Answer the following (Any two): 12**
- 1) Explain CRUD operations performed using JDBC.
 - 2) Describe the life cycle of a servlet.
 - 3) Explain JSP directives with suitable examples.