

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

**B.Sc.(IT) (Sem.-6)**  
**ADVANCED JAVA PROGRAMMING**  
Subject Code : BS-308  
Paper ID : [B0424]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

**SECTION-A****1. Write briefly :**

- a. What is thread synchronization?
  - b. What is the role of layouts?
  - c. What is doGet() in Java servlets?
  - d. What are labels in Java?
  - e. What is a need of I/O handling?
  - f. Explain the distinction between socket and RMI programming.
  - g. What are the three responsibilities of event sources?
  - h. What is a Skelton class?
  - i. Why do TCP/IP reserves lower 1024 ports?
  - j. What is the role of JDBC-ODBC Bridge?
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## SECTION-B

2. Discuss different listeners used in event handling.
3. Explain in detail thread life cycle.
4. Explain with example steps to establish connection between client and server socket.
5. Create an application using the concept of RMI.
6. Explain in detail servlet life cycle.
7. Write a short note on java.sql package.

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