

No. of Printed Pages : 03

Roll No. ....

**G301**

**B.Tech. EXAMINATION, May 2019**

(Seventh Semester)

(B. Scheme) (Re-appear Only)

(IT)

IT401B

ADVANCED JAVA

*Time : 3 Hours]*

*[Maximum Marks : 75*

---

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

---

**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-23/16)M-G301

**P.T.O.**

### **Unit I**

1. Explain the following terms :
  - (a) Constructor
  - (b) Packages and Interfaces
  - (c) Function Overloading. **5×3=15**
2. Write a program in swing that accepts text in text box. If the left mouse is clicked, convert the text to uppercase and if the right button is clicked, convert it to lower case. **15**

### **Unit II**

3. Explain JDBC and its drivers. Write a program using JDBC to display record of students (Student ID, Name, Class) using SQL commands. **15**
4. What is Java Beans ? Why Java Beans are required ? Create a simple application using Java Beans. **15**

### **Unit III**

5. What is Servlet ? Create a simple servlet program. Also explain, how parameters are initialized in servlets ? **15**
6. (a) Explain how HTTP request and response is handled by Servlets. **10**  
(b) Explain cookies. **5**

### **Unit IV**

7. Define the various Synchronization issues in JSP. **15**
8. Explain different JSP Access modes. **15**