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Roll No. ....

**G-301**

**B. Tech. EXAMINATION, May 2018**

(Seventh Semester)

(B. Scheme) (Re-appear Only)

(IT)

IT401B

ADVANCED JAVA

*Time : 3 Hours]*

*[Maximum Marks : 75*

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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.

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**Note :** Attempt *Five* questions in all, selecting *one* question from each Unit.

(2-33/5) M-G-301

**P.T.O.**

### **Unit I**

1. (a) How Packages differ from Interfaces ? **5**  
(b) Explain function overloading with suitable example. **10**
2. What is combo box and check box ? Explain its properties. Write a simple program using swing to add combo box and check box in frame. **15**

### **Unit II**

3. (a) Explain JDBC and its drivers. **7½**  
(b) Write a code segment to create connection to an access database through a Java application and display list of tables in the database. (Assume any table). **7½**
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, compiling it and run the particular servlet. **15**
6. (a) Explain how HTTP request and response is handled by Servlets. **10**  
(b) Explain session tracking. **5**

### **Unit IV**

7. Define JSP architecture in detail. **15**
8. Explain different JSP Access Modes. **15**