

**GANPAT UNIVERSITY**  
**B. Tech SEMESTER-V CE/IT EXAMINATION**  
**NOV/DEC-2012**  
**2CE505/2IT505 : Advanced Java**

**Time: 3 Hours]**  
**Instructions:**

**[Total Marks: 70**

1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

**SECTION-I**

**Q.1 Answer the following.**

- (A) Compare various drivers available with JDBC API. (6)  
(B) Explain the MVC model for Java Swing. (6)

**OR**

**Q.1 Answer the following.**

- (A) Define Layout manager? Discuss the different types of layout managers in Java Swing. (6)  
(B) Discuss the basic steps to access database using JDBC API with an example. (6)

**Q.2 Answer the following.**

- (A) Describe synchronize concept in Thread with an example. (6)  
(B) Explain various Scripting elements of JSP. (5)

**OR**

**Q.2 Answer the following.**

- (A) Explain join(), isAlive() methods with an example. (6)  
(B) Define the term JSP. Explain the lifecycle of JSP. (5)

**Q.3 Answer the following.**

- (A) Develop Java bean that create pid, pname, pdate, paddress using Product.java file and display in ProductDesign.jsp (6)  
(B) Explain various Action elements of JSP with an example. (6)

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## SECTION-II

**Q.4 Answer the following.**

- (A) Define the term Servlet. Explain the lifecycle of Servlet with an example. (6)
- (B) Discuss doGet() and doPost() with an example. (6)

**OR**

**Q.4 Answer the following.**

- (A) Explain EJB 3.0 architecture. (6)
- (B) Differentiate Entity Bean and Session Bean. (6)

**Q.5 Answer the following.**

- (A) Describe HttpSession API with an Example (6)
- (B) Write a Servlet program to access Account details of bank customer using JDBC API. The fields are Acc no, Customer name, Address and Acc Balance. (5)

**OR**

**Q.5 Answer the following.**

- (A) Write a program that performs login using JSP and verification using Servlet. (6)
- (B) Discuss in detail HTTP and Generic Servlet with an example. (5)

**Q.6 Answer the following.**

- (A) Describe Java Persistence API with an example. (6)
- (B) What is MDB? Explain the lifecycle of MDB for EJB3.0. (6)

**END OF PAPER**