



DHARMSINH DESAI UNIVERSITY, NADIAD
FACULTY OF TECHNOLOGY
B.TECH – SEMESTER – VII, IT
SUBJECT: (IT 713) ADVANCE JAVA TECHNOLOGY

Examination : Third Sessional
Date : 16/10/2012
Time : 1:00 to 2:15

Seat No. :
Day : Tuesday
Max. Marks : 36

INSTRUCTIONS:

1. Figures to the right indicate maximum marks for that question.
 2. The symbols used carry their usual meanings.
 3. Assume suitable data, if required & mention them clearly.
 4. Draw neat sketches wherever necessary.
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Q.1 Do as directed.

- (a) Differentiate: JavaBean and Enterprise Java Beans. [2]
- (b) What is the importance of EJBObject? [2]
- (c) What is EJB QL? [2]
- (d) What configuration is required in ejb-jar.xml to differentiate CMP from BMP. [2]
- (e) Explain difference between create() and ejbCreate() methods of a bean. [2]
- (f) What is the purpose of JNI? [2]

Q.2 Attempt Any Two from the following questions.

- (a) Implement a Session Bean which has a business method count with the three subjects marks as a parameter. The session bean will return the percentage to the client. [6]
- (b) Explain life cycle of Message-driven Bean. Also implement bean class for Message-driven bean. [6]
- (c) What is JNDI? Write steps to get EJBObject in client class. Explain callback methods of Entity Bean. [6]

- Q.3**
- (a) Create CMP bean to model Student database table. The Student database has std_id, std_name, std_semester, std_address. The bean provides facility of searching a student based on std_id. [6]
 - (b) What is the difference between stateful SessionBean and stateless SessionBean? Also draw and discuss the lifecycle of stateful SessionBean. [6]

OR

- Q.3**
- (a) Write a sample code to illustrate the use of JNI. Write all the appropriate files to implement JNI application and also write the steps to compile and execute this application [6]
 - (b) Explain life cycle of Entity Bean in detail. Also differentiate different types of Entity Bean. [6]