



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

Examination : Block Exam
Date : 17/10/2013
Time : 3.00 to 4.15 pm

Seat No. :
Day : Thursday
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) What's the difference between Servlets and Applets? [2]
- (b) Write the code snippet, to execute stored procedure "MY PROC" in database server. [2]
- (c) Explain Different ways to track a session. [2]
- (d) Explain PreparedStatement in detail. [2]
- (e) What is the purpose of JNI? [2]
- (f) Explain: JSP implicit Objects. [2]

Q.2 Attempt *Any Two* from the following questions.

- (a) Write a servlet application that reads username and password from the user and verifies them from the database and thus provides authentication. (Write all the files which is required to implement this application) [6]
- (b) Write an RMI application which performs the addition of two numbers. Write appropriate interfaces and classes to implement the RMI application. [6]
- (c) Explain the life cycle of BodyTag in detail with the help of neat diagram. [6]

Q.3 Attempt following questions.

- (a) Draw and explain life cycle of an Entity Bean, also Differentiate CMP and BMP. [6]
- (b) Write a jsp program to modify the database using jstl tags. Write a transaction which transfers the amt from one account to another account. [6]

OR

Q.3 Attempt following questions.

- (a) Draw and discuss the life cycles of Stateful and Stateless SessionBean. [6]
- (b) Write a CMP EntityBean program to display students details by their ID. [6]