



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

Examination : BLOCK
Date : 16/10/2014
Time : 3:00 to 4:15

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.
-

Q.1 Do as directed.

- (a) What is the difference between declaring a variable with a declaration tag and with scriptlets? [2]
- (b) What is rmi registry? [2]
- (c) "HTTP is stateless protocol" State True/False. Justify. [2]
- (d) Explain: ejbCreate() & ejbPostCreate() in EntityBean. [2]
- (e) Explain page directive with its attributes. [2]
- (f) Explain architecture of J2EE container. [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) Explain the life cycle of stateful session bean. Also explain container callbacks of SessionBean. [6]
- (c) What is Statement in JDBC? Explain PreparedStatement and CallableStatement with suitable example. [6]

Q.3 Attempt following questions.

- (a) Create a custom tag **<mydate:date>** that would display server date in browser. Also write TLD file and required java files. [6]
- (b) Explain EJB architecture with diagram. Also compare CMP and BMP. [6]

OR

Q.3 Attempt following questions.

- (a) Write an RMI application which performs the addition of two numbers. Write appropriate interfaces and classes to implement the RMI application. [6]
- (b) Explain JSP Implicit Objects in detail. [6]