



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

Examination : Second Sessional
Date : 11/09/2012
Time :

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) Write a JSP that display number of requests, made to the JSP. [2]
- (b) Explain code snippet below: [2]

```
<jsp:useBean id="mybean" type="com.MyClass1" class="com.MyClass2">  
    <jsp:setProperty name="mybean" property="*">  
</jsp:useBean>
```
- (c) (i) _____ alternative method can be used if client does not accept cookie. [2]
(ii) _____ is non idempotent method of HTTP.
- (d) What is the difference between: [2]
 \${myBean["property"]} and \${ myBean[property]}.
- (e) State difference between request dispatcher and sendRedirect(). [2]
- (f) Explain JSTL core tags used in JSP. [2]

Q.2 Attempt Any Two from the following questions.

- (a) Create a JavaBean to allow students to view their registration time information. The details of students(std_id,std_name,branch,semester) are stored in student database table. Students details are transferred from the database table (student) to JavaBean(StudentBean) and the details are displayed in proper format using this StudentBean JavaBean. The JavaBean is stored in application scope. [6]
- (b) Explain following two statements with use of suitable example. [6]
 - (i) Context attribute is not thread-safe.
 - (ii) Synchronizing the service() method will not solve the problem.
- (c) Explain the idea of session management in web application. What are the different approaches for session tracking? Explain them in brief. [6]

- Q.3**
- (a) Implement a count tag using Body Tag Support class. The count tag is used to count no. of characters and no. of words present in the body of the count tag. The generated output in the format, for example, #characters=100 and #words=27. The tag does not print the body that is passed to it. [6]
 - (b) Write JSP code, with the use of JSTL, to print each batsman name and his age that stored in database table Cricketer. [6]

OR

- Q.3**
- (a) What are cookies? Write a servlet that reads and prints all the previous cookies and add a cookie with your name. [6]
 - (b) Create a Custom Tag named employee, which is used to display an employee information. The employee tag has following attributes: name, education, experience, designation. Also display all information with welcome message. [6]