



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

Examination : Second Sessional
Date : 2/09/2014
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) How a servlet can access all cookies coming from a web-request? Write code fragment for it. [2]
- (b) How a servlet can send a cookie to web-browser? Write code fragment for it. [2]
- (c) What is user-agent header? What is its main use? [2]
- (d) Discuss three phases of life of JSP page. [2]
- (e) How can you print value of context init parameter and any scoped attributes using EL? [2]
- (f) Explain the code snippet below: [2]

```
<jsp:useBean id="myBean" type="com.Class1" class="com.Class2" >  
    <jsp:setProperty name="myBean" property="*/>  
</jsp:useBean>
```

Q.2 Attempt Any Two from the following questions.

- (a) Draw and discuss MVC design patterns for web-application development in Java EE. Write code of only Controller that decides next View for two possibilities: successful login and unsuccessful login. (Note: Do not write codes of Model and View) [6]
- (b) Discuss three session tracking mechanisms for web-application development in Java EE with their major advantages and disadvantages. Also discuss in brief about working of encodeURL method. [6]
- (c) Discuss following [6]
 - (i) Stale session objects and mechanism to remove them
 - (ii) Two ways of getting RequestDispatcher object.
 - (iii) What benefits we get when we pass all web-requests through gate-keeper?

Q.3 Attempt ALL from the following questions.

- (a) Write a JSP code, with the use of JSTL, to print each car name, color and its price that are stored in a database table car_details. [6]
- (b) Explain the JSP implicit objects with their use and with an example. [4]
- (c) Differentiate <jsp:include> and <%@ include %> [2]

OR

Q.3 Attempt ALL from the following questions.

- (a) Create a JavaBean to allow students to view their registration time information. The details of student (student id, student name, branch, and semester) are stored in student database table. Students details are transferred from the database table (student) to JavaBean (StudInfo) and the details are displayed in proper format using this StudInfo JavaBean. [6]
- (b) How errors are handled in JSP? Explain it with example. [4]
- (c) Write a JSP that displays the number of requests, made to the JSP. [2]