



SB-3861

M. Sc. (IT) (Sem. VIII) (Programme) Examination

March / April – 2011

Web Application Development Tech. - I

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांश देव निशान्नीवाणी विगतो उत्तरवडी पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> M. Sc. (IT) (Sem. 8) (Programme)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Web Application Development Tech. - 1	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="8"/> <input type="text" value="6"/> <input type="text" value="1"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	
	Student's Signature

- (2) All the questions carry equal marks.
(3) Support your answer by suitable diagrams.

1 Answer the following questions in brief (any seven) : 14

- Draw and explain Java web architecture.
- Explain the use of a Servlet Config Object in Web Applications with suitable example.
- Explain the difference between redirection and request dispatching.
- Explain xml parsing tag of JSTL/EL.
- What are custom tags ? Write the steps to develop custom tags in JSTL with example.
- A JSF form has an ajaxian email field. Develop and use a validator for this case.
- Explain how listeners can be used in JSF.
- Explain the working of basic authentication in web applications.

2 Do as directed : 14

- A JSP is a proxy to the servlet, Justify. Comment on the memory management aspect of web server in this regard.

- (b) What are Web Filters ? After login, the credentials are checked against the database and depending upon the user name the redirection to next page takes place. The coming page displays the name of the user in capital letter. The difference of time between request and response is stored in the database for every page. Design and write a filter chain for above.

3 Do as directed : 14

- (a) What is the purpose of JSTL/EL ? Write a code in JSTL/EL to access implicit objects like request, response, session, application, cookies, page with suitable scenario.
- (b) Explain JSTL's database related tags and show their working with example.

OR

- (b) What are Web Application Listeners ? Explain their working with suitable example.

4 Do as directed : 14

- (a) Explain the implementation of SSL based security in web applications.
- (b) Explaining MVC show Java Web Architecture implements it.

OR

- (b) What are composite components ? Develop login form as composite component.

5 Do as directed : 14

- (a) A school maintains the record of subjectwise marks of students for every class. Design the database, perform data entry for the problem. Use appropriate validators. Print the classwise, studentwise marks in descending order. Use JSF.
- (b) What are validators and converters ? Explain any four built-in validator and converters.