



AF-1745
M. Sc. (IT) (Sem. VIII) Examination
April/May - 2015
Java Web Development
(New & Old)

Time : 3 Hours]

[Total Marks : 70

Instruction :

<p>नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : M. Sc. (IT) (Sem. VIII)</p> <p>Name of the Subject : Java Web Development (New & Old)</p> <p>Subject Code No. : 1 7 4 5 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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Q. 1. Answer the following Questions in brief. (Any 8)

16

- a) List the main functions of an application server
- b) Draw and explain Java web architecture
- c) Explain the use of a ServletConfig Object in Web Applications with suitable example?
- d) Explain the difference between redirection and request dispatching.
- e) Explain xml parsing tag of JSTL/EL.
- f) What are custom tags? Write the steps to develop custom tags in JSTL with example.
- g) A JSF form has a date field. The date must be later than the current date. Develop and use a bean validator for this case.
- h) Explain how Ajax can be used in JSF.
- i) Explain the working of PreparedStatement and CallableStatement.

Q.2 Do as directed (7, 7,4)

18

- a) Explain the separation of concerns achieved by servlets, JSP and JSTL/EL with their respective life cycles.
- b) Explain various action tags used in JSP. Using Java Bean validate a Form for Item Master where none of the fields should be blank and Item_id should start with ITEM_.
- c) Explain the action tags in JSP ? Write their equivalent Java objects and methods in Servlets.

Q.3. Do as directed (7,7,4)

18

- 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) Write an XML with data of Department and Employees. Using JSTL create two combo boxes of Dept and Employee. Changing Dept in Dept combo will change the value in Employee combo box . Use XML parsing tags.
- c) What are property files . Explain how to use them in JSTL and JSF

Q.4. Do as directed (7, 7, 4)

18

- a) What are Web Application Listeners and Filters. Explain their working with suitable examples.
 - b) Explain the request processing life cycle of JSF framework. Write the code to catch all the events of lifecycle.
 - c) Explain role-based security model of JAAS and its implementation Java web Application . Explain form-based authentication.
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