DE-1655
M. Sc. (I.C.T.) (Sem. I) Examination
March / April - 2016
Java Web Development

Time : 3 Hours] [Total Marks : 70

Instruction :

Q. 1. Answer the following Questions in brief. (Any 8)

a) Explain the role of deployment descriptor in web applications?

b) Differentiate between ServletConfig and ServletContext Objects

c) What are cookies and how they are used in Servlets?

d) Explain the use of Java beans in servlets.

e) Explain the working of taglib and page directives in JSP.

f) Discuss any two special components of primefaces?

g) Write a custom tag to print a hierarchal data of category and product in combobox from database. The tag should use the attribute of categoryid.

h) Write steps and code to support Internationalisation in JSTL/EL.

i) Write a note on templating in JSF.

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

a) With the help of suitable diagram explain the working of servlets, JSP and JSTL

b) Describe the mechanism and advantage of request and response interception in web applications. Write an interceptor to get the IP address of every requester and save the IP address, requested page and its count in database

c) A JSP form of Payment module of credit card is validated by Java Beans. The validation should be checked against blank entry, no of digit of credit card, no of digits of PIN and Phone no format

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

a) State the advantages and limitations of JSTL/EL. Describe in detail how does JSTL handles implicit web objects.

b) Explain how JSTL deals with all the aspects of XML parsing and data access with suitable example.

OR

b) Explain the creation of composite components in JSF with suitable examples.

c) Explain form based authentication using JAAS.

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

a) Describe different types of web frameworks. Explaining the building blocks of JSF, write how do they fit in MVC?
b) Explain the building blocks of Action Based and MVC based framework.

OR

b) Explain the request processing life cycle of JSF.
c) How will you catch web application events on Application Server.