(2)

(vi) How XML data are described?

(vii) What is an XML parser?

(viii) Is attribute minimitation allowed in XHTML?

(ix) What are the two components in a JSF application?

(x) What is quality of service for enterprise application?

2. (a) What is a Web Template? How it is different from Dreamweaver Template? 5

(b) Write a HTML code for displaying your university logo. 5

3. (a) What is RMI in Java? How it is different from Java RPC? 5

(b) What do you mean by XFORMs and how it is an improvement over HTML forms? 5

(3)

4. (a) How Java beans are different from Java Applets and Java Servlets? 5

(b) Explain the following enterprise beans: 5

(i) Entity beans

(ii) Session beans

(iii) Message driven beans.

5. (a) Explain the difference between MVC and n - tier architecture? 5

(b) How does the MVC architecture work in swing? 5

6. (a) What is the model driven architecture? How is it different from ontology driven architecture. 5

(b) How the MVC architecture is used in the JZEE based application? 5

7. (a) What are the factors that affect the total cost of designing a web site ? 5

(b) Justify that a servlet consumes less network bandwidth are more secure than that of applet. 5

8. Write short notes on any *two* of the following : 5 + 5

(i) CSS structure

(ii) Types of EJB

(iii) XHTML.

Full Marks : 70

Time : 3 hours

Answer any six questions including
Q. No. 1 which is compulsory

The figures in the right-hand margin indicate marks

1. Answer the following questions : 2 × 10

(i) What is an web service ?

(ii) How can you make a map of a country with different clickable regions ?

(iii) Is it possible to use CGI scripts in any platform ?

(iv) What is a HTML tag ? Explain with examples.

(v) How can you find a client's browser name using Java Script ?