7. (a) Design a HTML page for the following : 5

- Set an image as a link
- Open a link in a new browser window
- Jump to another part of a document (on the same page)
- How to link to a mail message with CC, BCC and Subject Entries
- Redirect a user to another URL after 5 seconds

(b) Write the Java Script program to sort the names in ascending order ? 5

8. (a) What are the major differences between static and dynamic HTML ? Write HTML program to change the color of the webpage when user clicks the cmd button ? 5

(b) What is the difference between JNDI context, Initial context, session context and ejb context ? Difference between ejbStore() and ejbLoad() ? 5

Set-2

Full Marks : 70

Time : 3 hours

Answer any **six** questions including **Q. No. 1**

The figures in the right-hand margin indicate marks

1. Answer the following questions : 2 × 10

(a) What is HTTP transaction ? Explain the client server communication-using request and response message.

(b) How do you convert numbers between different bases in Java Script ?

(c) What looping structures are there in Java Script ?

(d) How do you create a new object in Java Script ? How do you assign object properties ?

(e) How to control the default filename when downloading a file via CGI ?

(2)

(f) What do you understand by CGI environment variables ?

(g) What are the steps involved in establishing a JDBC connection ?

(h) What are the JSP attributes ?

(i) How do you call a stored procedure from JDBC ?

(j) How to know whether we have to use jsp or servlet in our project ?

2. (a) What is Java Script ? What can a Java Script do ? Briefly explain the use of regular expressions in Java Script. 5

(b) What is CGI ? Why is it important in web-based application development ? 5

3. (a) What are the various types of operators in Java Script ? How do you convert numbers between different bases in Java Script ? 5

(b) What do you mean by EJB ? Explain the life cycle method of EJB ? 5

(3)

4. (a) What is the servlet ? Can we call destroy() method on servlet from service method ? What is the Servlet Interface ? 5

(b) What is CGI ? Why is it important in web-based application development ? 5

5. (a) Write short notes on JWS and servlet runner. What is the major difference between servlet and CGI ? 5

(b) Write a Java Script program that computes the sum of odd values from 1 up to a maximum value provided by the user. Your program will read the maximum value by using the prompt function and it will display the result by using document.writeln. You don't need to use meaningful variable names. 5

6. (a) List three advantages of servlet over CGI programs. Despite these advantages, CGI is still widely used. Give at least one reason why this is so. 5

(b) What is JDBC Driver ? What are the steps required to execute a query in JDBC. 5