

Roll No.

Total Pages : 03

BT-7/M-20

37002

WEB ENGINEERING

CSE-403

Time : Three Hours]

[Maximum Marks : 75

Note Attempt Five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

Unit I

1. (a) In what way the cohesive organization systems can be created ? **8**
- (b) How to determine that a website needs a search system ? Also discuss the anatomy of search system. **7**
2. (a) Define navigation system. Discuss various types of navigation systems. What are the ways by which the cost effective and elegant navigation systems can be designed ? **8**
- (b) Identify the basic uses of Architecture Page Mockups in order to design efficient information architecture. **7**

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Unit II

3. (a) Explain the role of using conflict resolution in cascading style sheets. **5**
- (b) Write HTML code for displaying sample form using check boxes and radio buttons. **5**
- (c) Write a program in HTML to print a paragraph with five sentences. Each sentence should consist of a different font family, font size and font color. **5**
4. (a) Write HTML code for a single web page design for the following :
- (i) To create an unordered list and nested list
 - (ii) To create links to two search engines and to create a hyperlink on the picture. **3**
 - (iii) To display an image that has a border of size 3, a width of 200, and a height of 350.
- (b) Describe the Cascading Style Sheet (CSS) by using the Font Attributes and Text Attributes in the examples. **6**

Unit III

5. Discuss the roles of the following in web application development :
- (a) Proxies **5**
 - (b) Form tags **5**
 - (c) URLs. **5**

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6. (a) Why is the CGI used ? Identify the roles of using CGI in sending and receiving data from the web servers. **10**
- (b) How to decode any web application by CGI using PERL ? **5**

Unit IV

7. List the technical roles of the following :
- (a) SGML **5**
- (b) XSL **5**
- (c) XML using CSS. **5**
8. Discuss the working architecture of Java Server Pages. Write a script to invoke Java Beans in the designing of an efficient web application. **15**