

Exam.	Regular		
	Level	BE	Full Marks
Programme	BEX, BCT	Pass Marks	32
Year / Part	IV / I	Time	3 hrs.

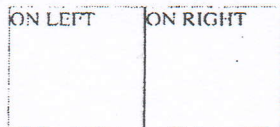
Subject: - Web Technology and Applications (*Elective I*) (CT72505)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.

1. Difference between internet and WWW. Explain Client Server computing paradigm and provide its importance. [2.5+2.5]
2. Given is the HTML code: [2+2+2]

```
<html>
<head>
</head>
<body>
  <div style="padding: 10px; float: left;">
    <div id="leftbox" style="width: 100px; height: 100px; float: left; border: solid 1px;">
      ON LEFT
    </div>
    <div id="rightbox" style="width: 100px; height: 100px; float: left; border: solid 1px;">
      ON RIGHT
    </div>
  </div>
</body>
</html>
```

The output of the above code is:



Use CSS Box model (margin/padding) to do the following:

- a. Separate left and right box by a total of 10 px
 - b. Move text "ON LEFT" by 10 px towards right
 - c. Move text "ON RIGHT" by 10 px towards right
3. Define web documents and web browser? Explain major steps of information retrieval. [2+2]
 4. Explain JavaScript DOM model. Make use of JavaScript function to display the date and time in either HTML document or console. [2+3]
 5. Explain any three server side scripting language used in web? Explain multi-tier architecture. [2+2+2+4]

6. What is the concept of web 2.0? Explain web 2.0 tools such as Blogs, Wiki and Social Networking. [8]
7. What do you mean by well formed XML document? Explain DTD with example. [6]
8. What is semantic web? Explain the use and purpose of semantic web. Why it is needed in present web? Give your own reason with example. [8]
9. Define web application framework. List some advantages using web application framework. Explain the concept of MVC (model-view-controller) [8]
10. Write short notes on: [2.5×4]
 - a) Web crawling
 - b) Ajax
 - c) Server side programming
 - d) Cascading style sheets

6. What do you mean by CMS (content management system)? Explain MVC architecture in web? [3+5]
7. Explain the web version in detail and differentiate between Web 2.0 and Web 3.0. [6+2]
8. Explain about XML document? Explain XSLT and WSDL. [3+4]
9. What is semantic web? Explain harnessing of collective intelligence in web 2.0? Write the brief notes on AJAX and REST. [2+5+8]
10. Write short notes on: (any three) [12]
 - i) SOA and SOAP
 - ii) Tagging and Folksonomies
 - iii) Difference between Client Side and Server Side scripting languages
 - iv) Impact of social networking and blogs
