

(Sixth Semester)

(C.S.)

Paper - VI

## WEB TECHNOLOGY

Time Allowed : Three Hours

[sunwebblog.wordpress.com](http://sunwebblog.wordpress.com)

Maximum Marks : 50

**Note :** Attempt any five questions. Each question carry equal marks.

- Q. 1. (a) What are the stages and strategies required to develop a web project ? 5
- (b) Explain web technologies. Explain the steps to develop website. 5
- Q. 2. (a) What is HTML ? Differentiate between HTML and XML. 5
- (b) What do you understand by CSS ? Explain different types of CSS with examples. 5
- Q. 3. Write short note on : 5+5=10
- (a) VB script
- (b) AJAX



**(2)**

- Q. 4.** (a) Explain the difference among static web page, dynamic web page and active web pages. 5
- (b) Explain the term DTD with the help of suitable examples. 5
- Q. 5.** (a) Discuss how CGI works at a conceptual level. What is the biggest disadvantages of CGI. 5
- (b) What is JSP ? What are the advantages of JSP over CGI ? Also explain the various component of JSP in detail. 5
- Q. 6.** (a) Describe the importance of COM/DCOM in making commercial website. 5
- (b) Describe the mechanism of DOM and SAX parser with its architecture. 5
- Q. 7.** Write short notes on the following : 10
- (i) TOMCAT server
- (ii) Database programming using JDBC.

**JDBC**

**1079**

**B.Tech. Examination, 2016**  
(Sixth Semester)

(C.S.)  
Paper - VI

13122

**WEB TECHNOLOGY**

*Time Allowed : Three Hours*

*Maximum Marks : 50*

Note : Attempt any five questions. All questions carry equal marks.

Q. 1. (a) What are the protocols ? Describe various layers with functions & protocol in TCP/IP and compare with OSI model. 5

(b) Explain the concept of URL & IP address. Also describe various fields of IP data gram Header.

How an IP address is assigned to host ? 5

Q. 2. (a) Explain the HTML tags for tables, frames & forms with the help of suitable examples. 5

(b) Explain the term document type definition (DTD) with the help of suitable example. 5

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(2)

Q. 3.

(a) What do you mean by CSS ? In how many ways it can be applied to a HTML document ? Create a simple CSS to display your XML data.

5

(b) Explain the role of SAX & DOM in XML document verification.

5

Q. 4.

What do you mean by AJAX ? Explain the application of AJAX with the help of suitable example.

10

Q. 5.

What is the functionality of JSP ? What are the advantages of JSP over various server side programming techniques ? How does JSP handle run time exceptions.

10

Q. 6.

What is Domain Name System (DNS) ? How DNS works ? What is the need of additional suffix like .com, .edu, .gov etc.

10

Q. 7.

Write short notes on any four :

$2\frac{1}{2} \times 4 = 10$

(i) TOMCAT server

(ii) SMTP

(iii) FTP

(iv) MIME

(v) TELNET

(vi) Web server



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**B.Tech. Examination, 2015**  
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**Paper - VI**

**WEB TECHNOLOGY**

*Time Allowed : Three Hours*

*Maximum Marks : 50*

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**Note :** Attempt any five questions. Each question carries equal marks.

- Q. 1.** (a) Discuss various step to create website. **5**  
(b) Discuss various protocols governing on web. **5**
- Q. 2.** (a) Compare and contrast HTML and XML showing their capabilities, limitation etc. **5**  
(b) What is style sheet ? What are different ways of creating style sheets ? Explain it with example. **5**
- Q. 3.** (a) What is scripting language ? Write a program in Java script to build up a clock. **5**  
(b) Explain the term in reference to HTML : List, frame and form with example. **5**

(2)

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- Q. 4 (a) What do you mean by JSP processing ? How JSP pages are handled ? 5
- (b) What do you mean by DTD ? Explain it with example. 5
- Q. 5. (a) Describe the mechanism of DOM and SAX parser with its architecture. 5
- (b) What does a web server do ? Explain the working of Apache Tomcat Server. 5
- Q. 6 (a) Difference between VB script and Java script. 5
- (b) With the help of suitable example describe client side technologies and server side technologies. 5
- Q. 7 Write short note on any two of the following :  $5 \times 2 = 10$
- (i) COM / DCOM
- (ii) CGI
- (iii) JSP life cycle

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