

USN

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

13MCA15

**First Semester MCA Degree Examination, Dec.2018/Jan.2019**  
**Introduction to Web Technologies**

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Define internet. Explain internet protocol address. (05 Marks)  
b. Discuss about the URL formats. (05 Marks)  
c. Briefly explain any five web programming tools. (10 Marks)
- 2 a. Discuss the history of the web. (10 Marks)  
b. Briefly explain higher level protocols of the web. (10 Marks)
- 3 a. Explain XHTML lists with an example. (04 Marks)  
b. Explain any five cascading style sheets selector forms. (10 Marks)  
c. Discuss <frameset> and <frame> tags in XHTML with an example. (06 Marks)
- 4 a. What are the JavaScript primitive types and explain. (04 Marks)  
b. Explain JavaScript pattern – matching using regular expressions. (08 Marks)  
c. Write a program using JavaScript, a XHTML document that displays prime numbers (integers) below 20? (08 Marks)
- 5 a. Explain different ways XHTML Element access in JavaScript with an example. (10 Marks)  
b. Explain DOM2 Event model. (10 Marks)
- 6 a. How to change Colors and Fonts dynamically in the web application and give an example. (10 Marks)  
b. Explain different types of Positioning Elements with suitable example. (10 Marks)
- 7 a. Discuss about XML NameSpace. (04 Marks)  
b. What is XML schema? Explain XML schema data types. (06 Marks)  
c. Write a short note on XSLT. (06 Marks)  
d. Write the purposes of XML processors. (04 Marks)
- 8 a. Discuss the Perl variables. (06 Marks)  
b. Explain Perl array and list built – in functions with example. (08 Marks)  
c. Write a short note on CGI. (06 Marks)

CMRIT LIBRARY  
BANGALORE - 560 037

\* \* \* \* \*

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.