

CBCS SCHEME

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CMRIT LIBRARY
BANGALORE - 560 037

16/17MCA13

First Semester MCA Degree Examination, June/July 2018

Web Technologies

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Describe the characteristics and operations of a web server. (08 Marks)
b. Illustrate the two phases of HTTP in detail. Mention the difference between GET and POST method. (08 Marks)

OR

- 2 a. Define the term Internet. Explain the types of networks. (10 Marks)
b. Explain SMTP. (06 Marks)

Module-2

- 3 a. Explain the different types of lists in XHTML with examples. (08 Marks)
b. With appropriate XHTML tags, create a form which contains label, text boxes, text area, checkbox, radio button, submit and reset button. (08 Marks)

OR

- 4 a. What is CSS? Explain with examples different levels of style sheets. (08 Marks)
b. Demonstrate with suitable example:
(i) Universal selector (ii) Class selector (iii) Id selector. (08 Marks)

Module-3

- 5 a. Describe constructor and java script functions. (08 Marks)
b. Explain pattern matching in java script with example. (08 Marks)

OR

- 6 a. What is DOM? How to handle events from textbox elements. (08 Marks)
b. Demonstrate with suitable examples onClick and onFocus event. (08 Marks)

Module-4

- 7 a. Differentiate relative positioning and absolute positioning? Give example for stacking elements. (08 Marks)
b. How to change the color and font dynamically in XHTML, illustrate with example. (08 Marks)

OR

- 8 a. What is XML? Explain about xml document structure. (08 Marks)
b. Write short notes on :
(i) DTD (ii) XSLT (08 Marks)

Module-5

- 9 a. List out the built-in functions of Perl arrays. Also mention how to find the last subscript of an array. (08 Marks)
b. What is hash table? Write a perl program to display the values of Environment variables. (08 Marks)

OR

- 10 a. Briefly explain about CGI.pm. List out the functions of CGI.pm. (08 Marks)
b. Write a perl program to demonstrate the use of cookies. (08 Marks)

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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.