



P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

First Semester - Master of Computer Applications (MCA)

Semester End Examination; Jan/Feb - 2016

Introduction to Web Technologies

Time: 3 hrs

Max. Marks: 100

Note: Answer FIVE full questions selecting ONE full question from each unit.

UNIT - I

- 1 a. What is web server? Discuss the web server operation and general server characteristics. 10
- b. What are Domain names? Discuss fully qualified domain name. Explain how fully qualified domain names are translated to IP? 10
- 2 a. Explain in detail the general form of HTTP request and response phase. 10
- b. Briefly explain the various high level protocols used in web. 10

UNIT - II

- 3 a. What is list? Explain ordered, unordered and definition list with an example for each. 10
- b. Give the syntax and example to each of the following tags : 10
 - i) <P > 10
 - ii) < Pre > 10
 - iii) < block quote > 10
 - iv) . 10
- 4 a. What is CSS? Explain in detail the different selector forms with example. 10
- b. Create a form to accept Name, USN, Class, Semester, Department using text area, and use submit and rest button. 10

UNIT - III

- 5 a. Explain primate types in Java script and explain array objects. 10
- b. Explain the basic structure of Java script. Discuss the different ways in which Java script can be embedded in XHTML document. Give example for each. 10
- 6 a. Create XHTML document that includes Java script to find largest of 3 numbers. 10
- b. What is DOM? Describe the DOM structure for a simple document. 10

UNIT - IV

- 7 a. What is DTD? Discuss the elements, attributes and entities in XML. 10
- b. Discuss how XSLT processor uses an XSLT style sheet. What is the purpose of XSLT style sheet? 10
- 8 a. Explain different types of positioning elements with illustration. 10
- b. Write short notes on: 10
 - i) XML schemas 10
 - ii) Namespaces.

UNIT - V

- 9 a. Discuss different pattern matching operations in PERL with example. 10
- b. Explain the basic data types of PERL. Discuss the string functions chomp and join. 10
- 10 a. Write a short note on :
- i) Cookies 10
- ii) CGI.pm module.
- b. What is query string? Explain how query string is transmitted to the server with GET and POST method. 10

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