MARIS STELLA COLLEGE, VIJAYAWADA-8

(An autonomous college affiliated to Krishna University)

DEPARTMENT OF COMPUTERS

B.Com (Computer Applications)

Academic Year 2019 - 2020

Title : WEB TECHNOLOGY
Semester : VI
Paper Code: COMPC097

Course Objectives:

- To provide knowledge on web architecture, web services, client side scripting technologies to focus on the development of web – based information systems and web services.
- To provide skills to design interactive and dynamic web sites.

Course outcomes:

CO1: To identify basic internet concepts like Topologies and Networks.
CO2: To discover html tags and construct simple web designs.
CO3: To observe the benefits of CSS and develop some more web designs.
CO4: To integrate Java script in to the static pages and convert them into dynamic web pages.

Unit-I: 6 Hrs

Introduction: HTML, XML, and WWW, Topologies, Bus, Star, Ring, Hybrid, Tree, LAN, WAN, MAN. HTML: Basic HTML, Document body, Text, Hyperlinks, Adding more formatting, Lists, Tables using colors and images. More HTML: Multimedia objects, Frames, Forms towards interactive, HTML document heading.

Unit-II: 6 Hrs

Cascading Style Sheets: Introduction, using Styles, simple examples, your own styles, properties and values in styles, style sheet, formatting blocks of information, layers.

Unit-III: 6 Hrs

Introduction to JavaScript: What is DHTML, JavaScript, basics, variables, string manipulations, mathematical functions, statements, operators, arrays, functions?

Unit-IV: **6 Hrs**

Objects in JavaScript: Data and objects in JavaScript, regular expressions, exception handling, built-in objects, events.

Unit-V: **6 Hrs**

DHTML with JavaScript: Data validation, opening a new window, messages and confirmations, the status bar, different frames, rollover buttons, moving images, multiple pages in single download, text only menu system.

Reference Books:

1. Uttam Kumar Roy, Web Technologies, Oxford University Press.
2. Black Book HTML 5.0.
3. Complete reference HTML 5.0.
4. Web Technology, PHI Publications.

Course Outcomes:

Upon successful completion of the course, the student is able:

1. To understand the web architecture and web services.
2. To practice latest web technologies and tools by conducting experiments.
3. To design interactive web pages using HTML and Style sheets.

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BLUE PRINT OF MODEL PAPER

- The paper consists of three sections.
- All questions are compulsory from all parts.

SECTION – A

- Consists of **SIX** very short answer type questions from five units, out of which **FOUR** are to be answered.
- Each question carries **3 Marks.**

SECTION – B

- Consists of **THREE** short answer type questions from five units**,** out of which **TWO** are to be answered.
- Each question carries **6 Marks.**

SECTION – C

- Consists of **FIVE** essay answer type questions from five units**,** out of which **THREE** are to be answered.
- Each question carries **12 Marks.**

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Model Question Paper

Title : WEB TECHNOLOGY **Time: 3 Hrs**
Paper Code : COMPCO97 **Max. Marks: 60**
Semester : VI

SECTION-A

Answer any FOUR of the following. **4*3=12M**

1. How to declare the Document Body
2. Write a Short note on 'style sheet'
3. What is DHTML
4. List the various operators used in Java Script
5. Write a short note on 'the status bar' using JavaScript.

SECTION-B

Answer Any TWO of the following **2*6=12M**

6. Explain in detail about Lists and its types with Examples
7. What is JavaScript? Explain the basics, variables, string manipulations and mathematical functions used in JavaScript.
8. Write about the formatting blocks of information and layers used in CSS

SECTION-C

Answer Any THREE of the following **3*12=36M**

10. What is a Network Topology? Explain its Types With neat diagrams
11. Write about multimedia objects and frames in HTML.
12. Explain in detail about 'Data and objects' used in JavaScript
13. Explain in detail about 'Cascading Style Sheets' with an example.
14. Explain the concept of moving images.