

**MODEL PAPER – 1**  
**B.Com (Computer Applications)**  
**Paper: Web Technologies**  
**Time: 3 Hours | Max Marks: 80**

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**✓ SECTION – A (Short Answer)**

**Answer any EIGHT ( $8 \times 4 = 32$ )**

1. Define HTML and its features
2. What is Hypertext
3. Define Web Technology
4. What are HTML elements and tags
5. Define CSS and its types
6. What is Static vs Dynamic Web Page
7. Define JavaScript and its uses
8. What is DOM
9. Define PHP
10. What are Sessions and Cookies
11. Define XML
12. What is JSP

**✓ SECTION – B (Essay Type) Answer**

**ALL questions ( $4 \times 12 = 48$ )**

13. (a) Explain HTML structure with example

OR

- (b) Explain Web Design Principles

14. (a) Explain CSS and its types with examples

OR

- (b) Explain Dynamic Web Pages and technologies used

15. (a) Explain JavaScript basics and functions

OR

- (b) Explain DOM and Event Handling

16. (a) Explain PHP and database connectivity

OR

- (b) Explain XML and JSP concepts

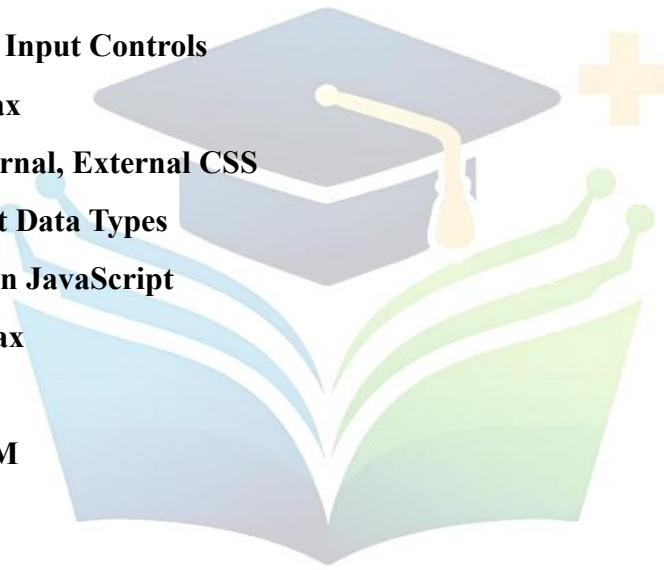
**MODEL PAPER – 2**  
**B.Com (Computer Applications)**  
**Paper: Web Technologies**  
**Time: 3 Hours | Max Marks: 80**

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**✓ SECTION – A (Short Answer)**

**Answer any EIGHT ( $8 \times 4 = 32$ )**

1. Define **HTML** and Markup Language
2. Explain **Basic Structure** of HTML
3. What are **Lists** and **Tables** in HTML
4. Define **Forms** and **Input Controls**
5. What is **CSS Syntax**
6. Define **Inline, Internal, External CSS**
7. What is **JavaScript Data Types**
8. Define **Functions** in JavaScript
9. What is **PHP Syntax**
10. Define **Cookies**
11. What is **XML DOM**
12. Define **JSP**



**✓ SECTION – B (Essay Type) Answer**

**ALL questions ( $4 \times 12 = 48$ )**

**13. (a) Explain HTML elements (links, images, tables)**

**OR**

**(b) Explain Web Design Principles**

**14. (a) Explain CSS types with examples**

**OR**

**(b) Explain Dynamic Web Pages vs Static Web Pages**

**15. (a) Explain JavaScript arrays and objects**

**OR**

**(b) Explain DOM manipulation**

**16. (a) Explain PHP forms and file handling**

**OR**

**(b) Explain XML and its applications**

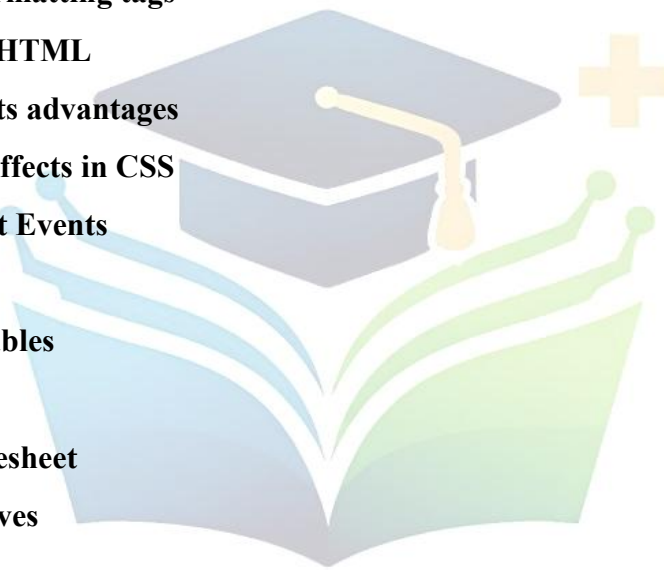
**MODEL PAPER – 3**  
**B.Com (Computer Applications)**  
**Paper: Web Technologies**  
**Time: 3 Hours | Max Marks: 80**

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**✓ SECTION – A (Short Answer)**

**Answer any EIGHT ( $8 \times 4 = 32$ )**

1. Define **Web Technology**
2. What is **Hypertext and Hypermedia**
3. Explain **HTML formatting tags**
4. Define **Frames in HTML**
5. What is **CSS and its advantages**
6. Define **Dynamic Effects in CSS**
7. What is **JavaScript Events**
8. Define **DOM**
9. What is **PHP variables**
10. Define **Sessions**
11. What is **XML Stylesheet**
12. Define **JSP directives**



**✓ SECTION – B (Essay Type) Answer**

**ALL questions ( $4 \times 12 = 48$ )**

**13. (a) Explain HTML structure and formatting**

**OR**

**(b) Explain Hypertext and Web Technology**

**14. (a) Explain CSS dynamic effects (transitions, filters)**

**OR**

**(b) Explain Technologies for Dynamic Web Pages**

**15. (a) Explain JavaScript functions and events**

**OR**

**(b) Explain DOM and event handling**

**16. (a) Explain PHP sessions, cookies and file handling**

**OR**

**(b) Explain JSP components and processing**

**MODEL PAPER – 4**  
**B.Com (Computer Applications)**  
**Paper: Web Technologies**  
**Time: 3 Hours | Max Marks: 80**

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**✓ SECTION – A (Short Answer)**

**Answer any EIGHT ( $8 \times 4 = 32$ )**

1. Analyze importance of web technology
  2. Differentiate **HTML** and **XML**
  3. Explain **anchor** and **image** tags
  4. Define **CSS** selectors
  5. What is **Responsive Design**
  6. Define **JavaScript** objects
  7. Explain **event handling**
  8. What is **PHP** arrays
  9. Define **database connectivity in PHP**
  10. What is **XML** query language
  11. Define **JSP** expression
  12. What is **session tracking**
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**✓ SECTION – B (Essay Type) Answer**

**ALL questions ( $4 \times 12 = 48$ )**

**13. (a) Design a basic HTML page with structure**

**OR**

**(b) Explain web design principles with examples**

**14. (a) Compare CSS types and usage**

**OR**

**(b) Explain dynamic web page technologies**

**15. (a) Write JavaScript for form validation**

**OR**

**(b) Explain DOM with real-time examples**

**16. (a) Explain PHP database connectivity with example**

**OR**

**(b) Explain JSP architecture and components**

**MODEL PAPER – 5**

**✓ SECTION – A (Short Answer)**

**Answer any EIGHT ( $8 \times 4 = 32$ )**

1. Define **HTML** document structure
  2. Explain **Lists and Tables**
  3. What is **Form Handling**
  4. Define **CSS** properties
  5. What is **Static vs Dynamic** page
  6. Define **JavaScript** operators
  7. What is **DOM** manipulation
  8. Define **PHP** functions
  9. What is **Cookies and Sessions**
  10. Define **XML** document structure
  11. What is **JSP** processing
  12. Define **Database** connectivity
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**✓ SECTION – B (Essay Type) Answer**

**ALL questions ( $4 \times 12 = 48$ )**

**13. (a) Explain HTML elements and forms**

**OR**

**(b) Explain Web Technology concepts**

**14. (a) Explain CSS and dynamic styling**

**OR**

**(b) Explain Dynamic Web Pages**

**15. (a) Explain JavaScript and DOM**

**OR**

**(b) Explain Events and event handling**

**16. (a) Explain PHP and database connectivity**

**OR**

**(b) Explain XML and JSP**

## UNIT WISE IMPORTANT QUESTIONS

### ■ UNIT-I (HTML & WEB BASICS)

- Define Web Technology and its components ★ ★ ★
- Explain HTML structure with example ★ ★ ★ ★
- Define Hypertext and its features ★ ★ ★
- Explain Web Design Principles ★ ★ ★
- Write about HTML formatting tags ★ ★
- Explain HTML elements (links, images, backgrounds) ★ ★ ★
- Explain Lists and Tables in HTML ★ ★ ★
- Explain HTML Forms and Input Controls ★ ★ ★ ★
- Write about Frames and types of frames ★ ★

### ■ UNIT-II (CSS & DYNAMIC WEB PAGES)

- Define Static vs Dynamic Web Pages ★ ★ ★ ★
- Explain CSS and its types (Inline, Internal, External) ★ ★ ★ ★
- Explain CSS syntax and selectors ★ ★ ★
- Write about Dynamic effects in CSS (hover, transitions) ★ ★ ★
- Explain Multimedia effects (filters, transitions) ★ ★
- Explain Technologies for dynamic web pages ★ ★ ★
- Write about HTML + CSS integration ★ ★

### ■ UNIT-III (JAVASCRIPT & EVENTS)

- Define JavaScript and its features ★ ★ ★ ★
- Explain Data Types and Variables in JS ★ ★ ★
- Explain Functions in JavaScript ★ ★ ★ ★
- Write about Arrays and Objects ★ ★ ★
- Explain DOM and its structure ★ ★ ★ ★
- Explain Event Handling (mouse, keyboard, form) ★ ★ ★ ★
- Write JavaScript for form validation ★ ★ ★

#### ■ UNIT-IV (PHP)

- Define PHP and its features ★★★★★
- Explain PHP syntax and variables ★★★★★
- Write about Control Structures (if, loops) ★★★★★
- Explain Functions in PHP ★★★★★
- Explain Form Handling in PHP ★★★★★
- Explain Database Connectivity (MySQL) ★★★★★
- Write about Sessions and Cookies ★★★★★
- Explain File Handling in PHP ★★★★★

#### ■ UNIT-V (XML & JSP)

- Define XML and its features ★★★★★
- Explain XML document structure ★★★★★
- Write about XML DOM and processing ★★★★★
- Explain JSP architecture and lifecycle ★★★★★
- Write about JSP directives and expressions ★★★★★
- Explain Implicit objects in JSP ★★★★★
- Write about Session tracking in JSP ★★★★★

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