

BHARATHIAR UNIVERSITY: COIMBATORE 641046
CERTIFICATE IN ADVANCED WEB PROGRAMMING

(for the CCII students admitted from the academic year 2016-17 onwards)

SCHEME OF EXAMINATION

PAPER	TOTAL MARKS	DURATION
PAPER – I THEORY EXAMINATION (60 – Objective type of questions only)	100	2 HOURS
PAPER – II PRACTICAL EXAMINATION	100	2 HOURS
PAPER – I PROJECT ACTIVITY (One – project submission only)	100	-
TOTAL	300	-

Applicable to Students in Class 9 and above

PAPER I

Unit I

HTML: Overview of Basic HTML – Tags – Tables – Forms – **CSS:** Introduction – Syntax – Selectors – How to create simple CSS file? – Colors – Backgrounds – Text – Font - Links – Lists – Tables – **Box Model** – Border – Outline – Margin – Padding – **Display** – Position – Float – Inline Block – Navigation Bar – **CSS3:** Introduction – Rounded Corners – Border Images – Backgrounds – Animations.

Unit II

HTML 5 Overview: History – What is HTML 5? – Features – Compatibility –Elements – Attributes – Events –**Application Programmable Interface:** Drag and Drop – **Graphics:** Canvas – Scalable Vector Graphics (SVG) – **Multimedia:** Audio – Video – plug-Ins – You tube – Differences between HTML 4 & HTML 5.

Unit III:

JavaScript: Introduction – Embedding of JavaScript File – My First Script! – Pop up Boxes –Simple Example to sum two numbers – if ... else –Date/Time Object.

Unit IV:

XML: Introduction – Syntax – Elements Conventions for naming – Attributes – Namespaces – URI – Display – How to display XML files with CSS – XSLT – XPath – XML Validator – DTD.

Unit V:

PHP: Introduction – Environmental Setup – Syntax – Print Statement – Data types – Variable Types – Strings – Constants – Operator Types– Loops – Functions – Arrays – GET & POST Method – **Forms:** Form Validation – Form Required – **Advanced PHP:** Cookies – Sessions – File Upload.

Reference

Advanced Web Programming – Dr. R. Ravichandran, M.Sc., M.Phil., Ph.D.,
Mr.K.Thambi Prabhakaran, B.Tech., ME.,
Mr.M.Nanda Kumar., BE.,

PAPER II – Practical – Advanced Web Programming

1. Write the Html code for Hello World Program.
2. Write the Html code for displaying “About your School” using Header and Paragraph tags.
3. Write the Html code to change the background and text color using CSS .
4. To write the code for subtraction of two numbers using JavaScript.
5. To write the code for multiplication of two numbers using JavaScript.
6. To write the JavaScript code for string replace.
7. To write the JavaScript code for form validation with alert box.
8. To write the PHP code for print your name.
9. To write the PHP code for string reverse.
10. To write the PHP code for split the string.

GUIDELINES FOR PROJECT ACTIVITY

Students shall be formed in groups. Out of 10 programs given, students are expected to solve any 5 programs, by choosing at least 2 programs from Question nos. 1 to 5 and 3 programs from Question nos. 6 to 10.

Following shall be featured in the project report:

- ✚ Objective of the Project
- ✚ Algorithm
- ✚ Flowchart
- ✚ Software / Hardware requirements
- ✚ Source Code
- ✚ Input & Output
- ✚ Result
- ✚ Reference
- ✚ Scope for further study

Paper III - Project

Project Questions:

1. To write the Html code for displaying your mark list using tables.
2. To write the Html code for basic form design.
3. Write the Html code for display today date and time.
4. Find the sum of two numbers using java script.
5. To write the code for division of two numbers using JavaScript.
6. To write the JavaScript code for string reverse.
7. To write the JavaScript code for split the string.
8. To write the PHP code for string replace.
9. To write the PHP code for form validation.
10. To write the JavaScript code for find the index value of the given string.