

Dr. Babasaheb Ambedkar Open University
Term End Examination – 2026

Course	: BCA	Date	: 27-Feb-2026
Subject Code	: BCAMI-103 / BCAOL-103	Time	: 11:30am to 01.45pm
Subject Name	: Introduction to Internet Technologies and HTML	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain the architecture of the World Wide Web. Discuss HTTP protocol, URL structure, Domain Name System and the role of Web browsers in detail.
2. Explain the basic structure of an HTML document. Describe metadata, background modification, and the role of different HTML editors with suitable examples.
3. Discuss various HTML elements used for formatting text, lists, tables and frames with suitable examples.
4. Explain HTML5 document structure. Discuss new elements introduced in HTML5 including <canvas> and new form elements with examples.
5. Explain Cascading Style Sheets (CSS). Describe CSS syntax, selectors, types of style sheets and important CSS properties with suitable examples.

Section B

Answer the following (Attempt any four) (20)

1. Define HTTP. Explain cookies and their uses in web applications.
2. Write a short note on working with hyperlinks, images and multimedia in HTML.
3. Explain CSS box model including margin, padding, border, height and width properties.
4. Describe JavaScript variables, data types and operators with examples.
5. Explain JavaScript events, popup boxes and functions.
6. Differentiate between XML and HTML. Explain XML syntax and namespaces.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 Which protocol is used to transfer web pages?
A FTP B SMTP
C HTTP D TCP
- 2 Which HTML tag is used to define metadata?
A <meta> B <head>
C <title> D <body>
- 3 Which tag is used to create a numbered list?
A B
C D <dl>

- 4 Which CSS property is used to change text color?
A font-color B text-color
C color D bgcolor
- 5 Which HTML5 element is used for drawing graphics?
A <graphic> B <canvas>
C <draw> D <svg>
- 6 Which symbol is used for comments in CSS?
A // B <!-- -->
C /* */ D ##
- 7 Which JavaScript keyword is used to declare a variable?
A Var B int
C Dim D declare
- 8 Which object represents the browser window in JavaScript?
A document B window
C screen D navigator
- 9 Which jQuery symbol is used to access jQuery?
A # B \$
C & D @
- 10 XML stands for:
A Extended Markup Language B Extra Markup Language
C Extensible Markup Language D External Markup Language

Part – B (Do as Directed)

(10)

State whether the following statements are true or false

- 1 A URL contains protocol, domain name and resource path.
- 2 HTML is a case-sensitive language.
- 3 The `<pre>` tag preserves spaces and line breaks.
- 4 CSS can be applied inline, internally and externally.
- 5 JavaScript is a server-side programming language only.
- 6 The `<canvas>` element is introduced in HTML5.
- 7 jQuery simplifies DOM manipulation.
- 8 XML tags must be properly closed.
- 9 Cookies are stored permanently in RAM only.
- 10 CSS selectors are used to select HTML elements
