

**A-1307**

Total Pages : 3

Roll No. ....

**MCS-E1**

(MCA)

**Web Technology**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

*Note :-* This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**(Long Answer Type Questions) (2×19=38)**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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( 1 )

P.T.O.

1. Explain the evolution of markup languages in detail. Discuss HTML, XML, XHTML, WML, and their role in modern web standards. Compare client-side and server-side technologies with examples.
2. Describe the structure of an HTML document and explain hyperlinks, frames, framesets, and nested framesets with proper examples and syntax.
3. Explain in detail the different types of CSS (Inline, Internal, External, Imported). What are cascading rules and order of precedence ? Differentiate between IDs and Classes with examples.
4. What is XML ? Explain Document Type Definition (DTD), XML Trees, Namespaces, and XML data format creation with examples. Also differentiate between HTML, XML and XHTML.
5. Explain the life-cycle of a JSP page. Describe JSP architecture, directory structure, components, tags, and develop a small JSP-based web application scenario.

### **Section–B**

**(Short Answer Type Questions) (4×8=32)**

**Note** :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Define markup language. Give two examples.
2. What are hyperlinks ? Write syntax for linking to the same document
3. What is the purpose of the <FORM> tag ? Mention any two input types.
4. Compare Java Server Page (JSP) with servers.
5. What are JavaScript event handlers ? Give examples of onClick and onSubmit
6. What are JSP implicit objects ? Write names of any four.
7. What is JDBC ? Explain its architecture briefly.
8. Differentiate between doGet() and doPost() methods in Servlets.

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