

**A-0832**

Total Pages : 3

Roll No. ....

## **MCS-E1**

### **WEB TECHNOLOGY**

**(MCA)**

Examination, June 2025

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.

1. Explain the concept of Hyperlinks in detail. Explain frames and nested framesets in HTML. Provide examples to illustrate their usage.
2. Compare and contrast Inline, Internal, and External Style Sheets in CSS. Explain their advantages, disadvantages, and scenarios where each type is most suitable. Provide appropriate code examples for each.
3. Explain the different types of DOM nodes. Provide examples of each type and describe how JavaScript can interact with them.
4. Discuss the lifecycle of a JSP page in detail and explain its architecture with a suitable diagram and also highlight the key methods.
5. Compare and contrast JSP with Servlets. Explain the doGet and doPost methods in Servlets. Compare their use cases with examples.

## **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. Write a short note on Web Standards and their importance.
2. What are the key benefits of XHTML over HTML ?
3. What is DTD (Document Type Definition) in XML ?
4. Explain the JDBC Architecture.
5. What is the difference between onMouseOver and onMouseOut events ?
6. What is the concept of event handling in JavaScript, and what are the different functions used for it ?
7. How can exceptions be managed in a JSP web application ?
8. Write an example of how to create a table in a database using JSP and JDBC.

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