

**A-0888**

**Total Pages : 4**

**Roll No. -----**

**MCS-E1**

**Web Technology**

**(MCA)**

**3<sup>rd</sup> Semester Examination 2024(Dec.)**

**Time: 2:00 hrs**

**Max. Marks: 70**

**Note :** This paper is of Seventy (70) marks divided into Two (02) Section 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.

**P.T.O.**

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## **Section-A (Long-Answer-Type Questions)**

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.

[2x19=38]

- Q.1. Explain the history and evolution of markup languages. Explain the structure of an HTML document with an example. Discuss the differences between HTML, XHTML, and XML.
- Q.2. Explain the Document Object Model (DOM) and its role in web development. Discuss the relationship between JavaScript and DOM with an example.
- Q.3. Explain the Client-Server Architecture in web technologies. Discuss the roles of HTTP, HTTPS, and Web Servers in this architecture.

- Q.4. What is CSS? Explain the differences between inline, internal , external, and imported style sheets with examples. Discuss cascading rules and the order of precedence in CSS.
- Q.5. Explain the JDBC Architecture and describe the JDBC Driver types in detail.

### **Section-B (Short-Answer-Type Questions)**

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.

[4x8=32]

- Q.1. What are Hyperlinks? Explain their importance in web development.
- Q.2. What is the role of XML in web development?
- Q.3. Differentiate between ID and Class Selectors in CSS.
- Q.4. What is the Lifecycle of a JSP Page?

- Q.5. Write a short note on JDBC Object Classes.
- Q.6. Write a short note on Database Connectivity in JSP using JDBC.
- Q.7. What are the four types of JDBC drivers?
- Q.8. Explain the onClick and onMouseOver event types in JavaScript.

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