2024

Web Technology

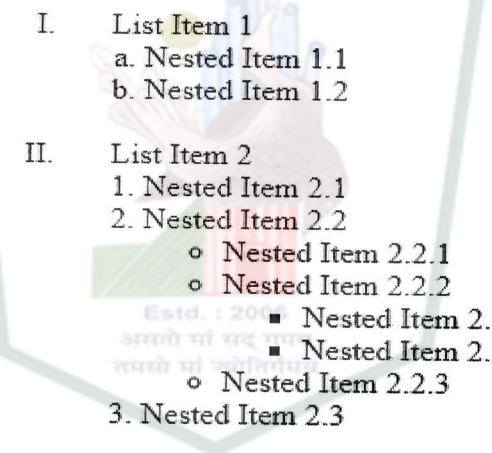*Full Marks : 100*

Time : Three hours

The figures in the margin indicate full marks for the questions.

*Answer **any five** questions.*

1. a) Write the HTML code to create the following nested list.   10

Preceding Text

    I.   List Item 1
            a. Nested Item 1.1
            b. Nested Item 1.2

    II.   List Item 2
            1. Nested Item 2.1
            2. Nested Item 2.2
                  o Nested Item 2.2.1
                  o Nested Item 2.2.2
                       ■ Nested Item 2.2.2.1
                       ■ Nested Item 2.2.2.2
                  o Nested Item 2.2.3
            3. Nested Item 2.3

    III.   List Item 3
            o Nested Item 3.1
            o Nested Item 3.2
            o Nested Item 3.3

   b) Explain the differences between local and global variables in PHP.   10

2.   What are the different types of form objects in HTML? List the attributes related to the form objects.   20

3.   Create a PHP script to handle the backend validation of a user registration   20
form. The form should include the following fields:

Name: Full name of the user (must contain only alphabets and spaces).

Email: Email address (must be a valid email format).

Contact Number: A 10-digit phone number (only numbers are allowed).

4. a) What is XML? Designing an XML Document for a Library System.   10

     b) Write short notes on   10
          i)   AJAX
          ii) CSS

5.   What is an event? How does JavaScript handle different mouse events?   20
Explain with examples.

6   What is the 'array()' function in PHP, and what are the different types of   20
arrays available in PHP? Explain with examples.