



### Instructions to candidates

- Answer ALL questions.
- Missing data, if any, may be suitably assumed.
- All scripts should be well commented.
- Where ever necessary complete scripts should be provided

1A. Create an HTML form with following components. Use suitable headings and labels for these components.

- i) Text box
- ii) Four Checkboxes
- iii) Two Radio buttons
- iv) One Option box

1B. Explain Domain name resolution.

1C. Write a note on HTTP protocol.

[5+3+2]

2A. Create a web page in which the user is allowed to select the page's background color and whether the page uses serif or sans serif fonts. Then change the body element's style attribute accordingly.

2B. Explain different CSS positioning styles with example for each.

2C. Write a script that contains a button and a counter in a div. The button's event handler should increment the counter each time it is clicked.

[5+3+2]

3A. Explain the use of following objects with examples.

- i)History ii)Navigator iii)Location

3B. Explain CSS Border properties with a suitable example.

3C. Write a note on Date object in Javascript.

[5+3+2]

4A. Explain how you perform the following operations on strings in PHP.

- i)Matching ii)Extracting iii)Replacing iv)Searching v)Formatting

4B. Explain associative arrays in PHP. How do you iterate through associative arrays using for-each?

4C. Explain filters with an example.

[5+3+2]

5A. Design a beautiful webpage on the subject of your choice, using HTML and CSS . Use Javascript to demonstrate change of color of each text on this page upon moving mouse over it.

5B. Design a web page containing two textboxes and a submit button. On clicking submit button the PHP script should add the numbers entered in textboxes and display their sum to the client.

5C. Distinguish between GET and POST method of form submission.

[5+3+2]