ONE TIME EXIT SCHEME

USN ☐☐☐☐☐☐☐☐☐☐

10CS73

Seventh Semester B.E. Degree Examination, April 2018
Programming the Web

Time: 3 hrs.

Max. Marks:100

Note: *Answer FIVE full questions, selecting*
at least TWO questions from each part.

PART – A

1   a. Explain the task of a DNS server with a neat diagram.   (05 Marks)
    b. Explain the request and response phases of Hyper Text Transfer Protocol (HTTP). (08 Marks)
    c. Explain Syntatic differences between HTML and XHTML.   (04 Marks)
    d. Write a XHTML program to use image as a link, by nesting the <img> tag inside the <a>tag.
                                                                                       (03 Marks)

2   a. Create a XHTML document that has a form with ;
       (i)   One text box to enter a name.
       (ii)   Two text boxes to enter password and confirm password.
       (iii) One text area to enter address.
       (iv)   Three radio buttons for gender group labeled as ; (i) Male (ii) Female (iii) Others.
       (v)   A submit and a reset button.   (10 Marks)
    b. What are selector forms? Explain with examples.   (06 Marks)
    c. Explain <span> and <div> tags.   (04 Marks)

3   a. Explain Screen output and keyboard input in Javascript.   (08 Marks)
    b. Explain Javascript array methods with examples.   (06 Marks)
    c. Write a note on character and character classes.   (06 Marks)

4   a. Explain the different types of positioning elements, with example.   (08 Marks)
    b. Write a Javascript program for handling of events from button element.   (06 Marks)
    c. Explain element visibility with an example.   (06 Marks)

PART – B

5   a. What is the document type definition (DTD)? Describe the approach to declare elements,
       attributes and entities.   (08 Marks)
    b. Mention the advantages of XML scheme over DTD's.   (06 Marks)
    c. With a neat diagram, explain the transformation process by an XSLT processor.   (06 Marks)

6   a. Explain different categories of variables in perl along with an example.   (08 Marks)
    b. Explain the string functions, its parameters and its actions in PERL.   (06 Marks)
    c. What is CGI? Write a note on CGI.Pm model?   (06 Marks)

7   a. Describe logical internal structure of an array in PHP.   (06 Marks)
    b. Write a PHP program for ascending numerical order by using sort function (use array for
       numerical values).   (06 Marks)
    c. Write a note on PHP files.   (08 Marks)

8   a. Explain screen output and keyboard input in Ruby.   (06 Marks)
    b. Explain pattern matching operations in ruby with examples.   (08 Marks)
    c. Explain directory structure of rails application with diagram.   (06 Marks)

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