Registration No. :

Total number of printed pages – 3

B. Tech
PCIT 4301

Sixth Semester Examination – 2013

INTERNET AND WEB TECHNOLOGY

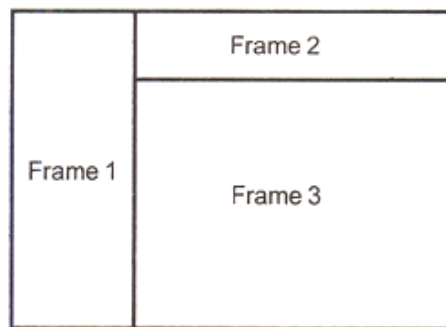BRANCH : CSE / MECH.

QUESTION CODE : A 241

Full Marks – 70

Time : 3 Hours

*Answer Question No. **1** which is compulsory and any **five** from the rest.*
The figures in the right-hand margin indicate marks.

1. Answer the following questions :   2 × 10

    (a)   Define a protocol.

    (b)   Write the html code to make a picture as background in a web page.

    (c)   Write the code for a html table to have one row and one column.

    (d)   What is defined by <!doctype> in html ?

    (e)   What is the difference between static and dynamic html ?

    (f)   What is the difference between == and === in JavaScript ?

    (g)   How can you target an element in your HTML using the DOM ?

    (h)   What is an abstract class ?

    (i)   What is package ?

    (j)   What is the difference between method overloading and method overriding in Java ?

2. (a)   Define web server. Explain the basic client server architecture with diagram.   5

    (b)   Discuss the steps of building a website.   5

P.T.O.

3. (a) Write a program in html to design frames as shown below. 5

(b) Write the different elements of form in html. Explain the properties of the form elements. 5

4. (a) Write a JavaScript code block which checks the contents entered in a form's text element. If the text entered in the lower case, convert to upper case. 5

(b) Explain the use of try…catch statement in JavaScript with suitable example. 5

5. (a) What is CSS ? Explain the external style sheet and internal style sheet with example. 5

(b) Explain the use of DHTML form with example. 5

6. (a) Describe the scalar variables and operators in Perl. 5

(b) Write a program in Java to display the Pascal's triangle. 5

7. What is Applet ? Write a program using applet to rotate the line AB about its one end A as shown below : 10

8. Explain the following terms in brief : 2.5 × 4

   (a) XML DOM

   (b) CGI

   (c) Applet life-cycle

   (d) Use of Array object and Boolean object in JavaScript.

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