2061
B.A./B.Sc. (General) Sixth Semester
Computer Science
Paper – CS12: Web Programming

Time allowed: 3 Hours

Max. Marks: 30

NOTE: *Attempt* <u>*five*</u> *questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I -IV.*

x-x-x

UNIT – I

I.   a) What is a dynamic website? What are the essentials elements of a dynamic website? Describe.

     b) How do a web browser and a web server communicate with each other? Discuss.

            (2x3)

II.   a) Discuss various attributes used with *<img>* tag. Illustrate with a small example.

     b) Design a small web page to create awareness about "COVID-19 Vaccination" among youth. Use various HTML tags known to you.   (2x3)

UNIT - II

III.   a) How can you use anchor tag to jump to a specific part of the same web page? Discuss with a short example.

     b) Draw a comparison between HTML and DHTML.   (2x3)

IV.   a) How can you define and use internal style sheet? Explain with an example.

     b) What is a frame? How is it given a name? How can you target a named frame? Discuss.   (2x3)

UNIT - III

V.   a) How event handling is done in JavaScript? Discuss with a small example.

     b) How arrays are used in JavaScript? Describe.   (2x3)

VI.   How JavaScript is used with HTML? Discuss. Also write a JavaScript function that reads a name from an HTML form field, then counts the number of vowels in it and displays it with relevant message in an alert box.   (6)

(2)

UNIT - IV

VII.   a) Outline the general structure of PHP script.

b) Which data types are supported in PHP? Discuss.   (2x3)

VIII.   a) How can you pass arguments by reference in PHP? Describe with an example.

b) Describe following functions in PHP:

    i) floor   ii)   date_diff   iii)   strcmo   (2x3)

UNIT - V

IX.   Attempt the following:-

    a) Why does a company prefer to use Intranet?

    b) What is URL?

    c) What do you mean by imagemap?

    d) What do you mean by client side validation?

    e) What is Document Object Model. (DOM)?

    f) Enlist arithmetic operators used in PHP.   (6x1)

x-x-x