2023
B.E. (Computer Science and Engineering)
Fourth Semester
CS-402: Web Technologies

Time allowed: 3 Hours   Max. Marks: 50

NOTE: Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

I. Attempt the following:-

    a) What is HTTP and HTTPS?

    b) Write HTML syntax to add graphics to a document.

    c) What is JavaScript?

    d) What are the protocols used by AJAX?

    e) What is XML validation?   (5x2)

UNIT - I

II. Explain the following terms related to html:

    (a) Cell padding and Cell spacing

    (b) List

    (c) Frames

    (d) Nested tables   (4x2½)

III. a) What is data validation in JavaScript and how it is performed?

    b) Discuss the merits and demerits of different types of internet connection?   (2x5)

IV. a) Differentiate client and server side scripting.

    b) Explain the various Form objects used by JavaScript with suitable examples.

                                                                               (2x5)

UNIT - II

V. a) Write a PHP script for file operations: open, close, read and write.

    b) Write a PHP script to sort a list of numbers in an ascending order.   (2x5)

P.T.O.

VI.   a) Discuss the process to create sessions in PHP?

       b) Explain XML to define data for web applications.   (2x5)

VII.   Write note on the following:-

         a)   CSS

         b)   JVM

         c)   XML DOM

         d)   get and post methods in PHP.   (4x2½)

x-x-x