44 (3) BCA-SE-3014

2022

(Held in 2023)

WEB TECHNOLOGY

Paper : BCA–SE–3014

Full Marks : 50

Time : Two hours

The figures in the margin indicate full marks for the questions.

*Answer Question No. **1** and **any four** from the rest.*

1. Write short answers of the following :
                                             2×5=10

    (a) Write *two* major functions of a web server.

    (b) What is a proxy server ?

    (c) What do you mean by client-side scripting ?

    (d) Define URL. Why is it used ?

(e) What is web browser ? Give examples.

2. (a) How to create an unordered list in HTML ? Explain with example. 5

(b) Write the basic building blocks of an XML document. 5

3. (a) What is a CSS ? Write the code of external CSS to change the background behaviour of a web page. 2+3=5

(b) What is the importance of a scripting language ? Mention its types. Write the syntax to embed the scripting code within an HTML file. 2+1+2=5

4. (a) Define a DTD ? Why is it used ? Create a DTD file to validate the details of an XML document for a newspaper article. 1+1+3=5

(b) Write about the architecture of a web server with diagram. 5

5. Write the JavaScript programs : (any two) 5×2=10

(i) To design a digital clock

(ii) To extract the substring starting at an index 'i' and ending at an index 'j' from the original string

(iii) In finding the factorial of a number by using function

6. Write short notes on : *(any two)*

5×2=10

(a) Firewall

(b) CGI

(c) JDBC

(d) DHTML

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