

Total number of printed pages-3

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?

Contd.

~~(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)**
 $5 \times 2 = 10$

(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

body {
