

Total No. of printed pages = 3

CS 131703 (NR)

Roll No. of candidate

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28/2/22 2021

BINA CHOWDHURY CENTRAL LIBRARY
(HMT & TIPS)
Azore, Hatkhimpara,
Fyzwaha-751017

B.Tech. 7th Semester End-Term Examination

WEB TECHNOLOGY

(New Regulation)

Full Marks – 70

Time – Three hours

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

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

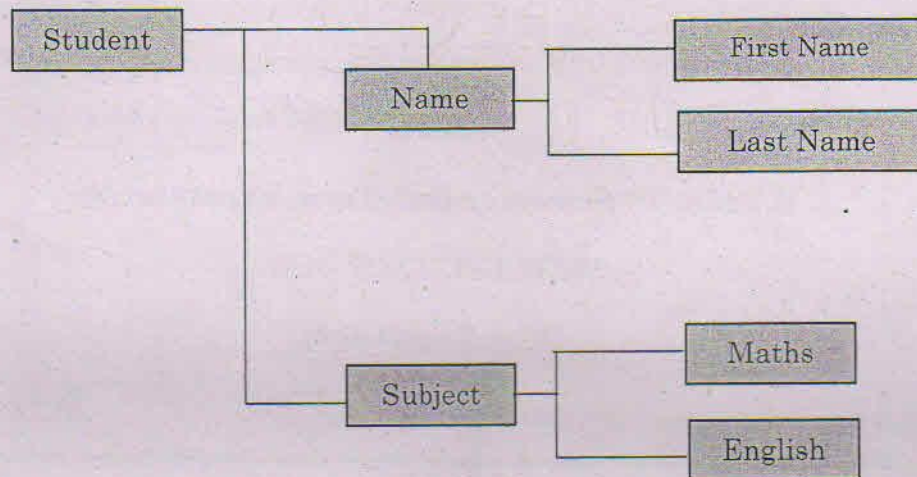
1. Answer the following : (10 × 1 = 10)
- What is the use of CGI script?
 - What is the difference between HTML and DHTML?
 - Write the rules for writing a well-formed XML document.
 - Which of the following tags is used to tag external CSS file:
 - <HREF>
 - <MARQUEE>
 - <A>
 - <SRC>
 - What is the full form of AJAX?
 - Write a HTML code to add “yellow” background color.
 - Explain the advantages of using DTD.
 - Write a JavaScript function to take the username from prompt box and display the output.
 - Write two firewall methods to control traffic.
 - What are the different types of electronic payments methods?

[Turn over

2. Answer the following:

(a) Design the XML file for the following tree:

(5)



(b) What do you mean by requirement engineering? What problems you find with requirement practices? Write in details the different tasks of requirement engineering. (10)

3. Answer the following:

(a) Create an image gallery using HTML and style it using CSS. (5)

(b) Explain the architecture of a web browser with the help of a diagram. (10)

4. Answer the following:

(a) Define the process of web publishing. (5)

(b) Explain the different categories of e-commerce business model. (10)

5. Answer the following:

(a) Explain the different categories of web application. (5)

(b) How does a web server work? Explain the approaches that are used in web server architecture design. (10)

6. Write notes on the following (any three):

(3×5=15)

(a) Meta searchers.

(b) DTD.

(c) Cookie.

(d) Information architecture.

(e) SMTP.

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7. Answer the following:

(a) Explain the challenges of organizing information. (5)

(b) Write PHP code to perform the following: (2×5=10)

(i) Create login page and set username and password.

(ii) Validate the login page.

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HIMT & SPSI
Aditya Halki Swapara,
Gy. waha: 731017