

H

Roll No.

TCS-401

B. TECH. (CSE) (FOURTH SEMESTER) END SEMESTER EXAMINATION, 2018

WEB TECHNOLOGY

Time : Three Hours

Maximum Marks : 100

Note : (i) This question paper contains five questions with alternative choice.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Each part carries ten marks. Total marks assigned to each question are twenty.

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Define the following : 10

(i) Formaction attribute

(ii) Autocomplete attribute

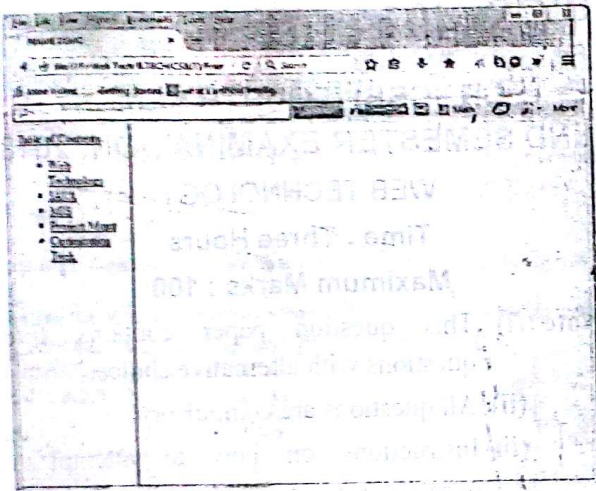
(iii) Web Portal

(iv) Tag

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- (b) Create a web page using frameset tag as follows : 10



Also write a code for above hyperlinks to open either in new tab, new window or right side frame.

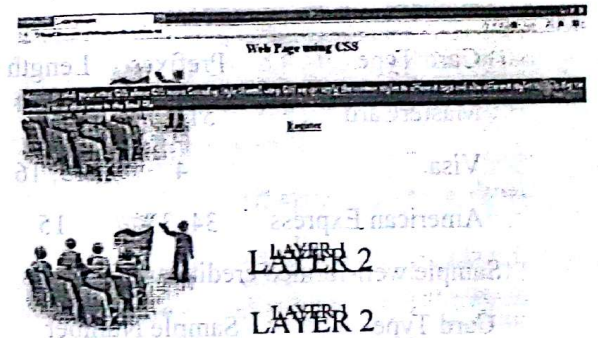
- (c) (i) Write the difference between GET and POST method of submitting form. 5
(ii) List the features of HTML5. 5
2. Attempt any two questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Design a web page of given snapshot using CSS which includes the following : 10
- (i) Use different font styles

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- (ii) Set background image for both the page and single elements on page,
(iii) Control the repetition of image.
(iv) Define style for links as a:link, a:active, a:hover, a:visited.
(v) Add customized cursors for links.
(vi) Work with layers.



- (b) What is CSS Box Model and what are its elements ? Explain each element with example. 10
- (c) What is CSS ? List and explain the different types of CSS selector that can be used in HTML page. 10

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3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

- (a) Design a web page to validate credit card number according to the above specification. Following tables outlines the major credit cards you might want to validate, along their allowed prefixes and lengths : 10

Major credit cards, their prefixes and lengths

Card Type	Prefixes	Length
MasterCard	51-55	16
Visa	4	13, 16
American Express	34, 37	15

Sample well-formed credit card numbers

Card Type	Sample Number
MasterCard	5500 0000 0000 0004
Visa	4111 1111 1111 1111
American Express	3400 0000 0000 009

- (b) Write a JavaScript code to self-modify itself every five second. 10

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- (c) Write about the various objects used in JavaScript. 10

4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

- (a) What are the difference between Well Formed and Valid XML Document ? Explain. 10

- (b) Explain the application area of XML. 10

- (c) Discuss about DTD. Write a DTD to validate student.xml file having student detail including Student Name (first name and last name), Student Rollno, Date of Birth (month, date and year) and Address (city and state). 10

5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

- (a) Explain the Session in PHP. Write a PHP program to store page views count after each refresh and show the count on web page. 10

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(b) (i) Write a PHP program to store current date-time as a COOKIE and display the "Last visited date-time" on the web page upon reopening of the same page. 5

(ii) How can you incorporate one PHP file within another with example? 5

(c) Write a PHP script to retrieve data from mysql database and show in tabulated form (assume any database). 10