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Roll No. ....

TCS-501

B. TECH. (CS) (FIFTH SEMESTER) MID SEMESTER EXAMINATION, 2019

WEB TECHNOLOGY

Time : 1 : 30 Hours

Maximum Marks : 50

Note : (i) This question paper contains two Sections.

(ii) Both Sections are compulsory.

Section—A

1. State True-False :   (1×5=5 Marks)

(a) HTML is used to create dynamic web pages.
                                      (True/False)

(b) We can apply hyperlink only to a text in HTML.
                                      (True/False)

(c) We can create frame inside a frame in HTML.
                                      (True/False)

(d) Padding is used to separate an HTML element from other element. (True/False)

(e) Span is inline while Div is a block-level element.
                                      (True/False)

(3)

(c) "HTML5" has reduced the amount of effort that goes into developing a webpage, as compared to HTML4". Comment on this statement with sufficient examples.

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

(a) Explain the difference between Margin and Padding in CSS with a diagram. Explain various animation properties in CSS.

(b) Explain some lists in HTML with suitable example.

(c) "Search Engine Optimization is an effective way for helping search engines rank your pages higher." Explain various ways in HTML in which you can build Search Engine friendly webpages.

(2)

2. Attempt any *five* parts : (3×5=15 Marks)

(a) Static *vs*. Dynamic pages.

(b) Describe <img> tag.

(c) Describe <a> tag.

(d) HTML Frame disadvantages.

(e) CSS None *vs*. Hidden property.

(f) HTML *vs*. CSS.

Section—B

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

(a) Define World Wide Web. Explain Image and Headings tag in HTML.

(b) Describe two ways to create nested webpages in HTML.

(c) Create an HTML webpage highlighting at least five HTML 5 semantic tags. Also explain their use.

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

(a) What is CSS ? Explain different ways in which we can include CSS in our webpage.

(b) Explain Box-model in CSS. How is width and height of an element calculated in Box-model ?