



University of Vavuniya

First Examination in Information Technology - 2019

First Semester - December 2020/ January 2021

Held on October/November 2021

IT1144 Fundamentals of Web Programming (Theory)

Online Examination

Question-Set 1 of 2

Time Allowed: **30 Minutes**

Answer **all** questions

This is a closed-book examination

Non programmable calculator is allowed to be used

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1. The Animal Society organization has decided to develop an advertisement with HTML and CSS to showcase their services.

The Animal Society




Image1

The dog is a pet animal. A dog has sharp teeth so that it can eat flesh very easily, it has four legs, two ears, two eyes, a tail, a mouth, and a nose. It is a very clever animal and is very useful in catching thieves.




Image2

1. Browse animal services
2. Watch pet videos
3. Discover pet related events

REGISTRATION FORM

FULL NAME

GENDER

MOBILE NUMBER

Submit

Please Visit [Dogs Foundation](#)

Figure 1: Home page

[This question continues on the next page.]

- (a) State the attribute you can use to display the alternative text for the area where the image `Image1` is not displayed in the Home page shown in Figure1. [10%]
- (b) When the user click the link "*Dogs Foundation*", the new page is opened in the same tab. Write the HTML script to open the new page in a new tab. [15%]
- (c) State which location in the page a logo for this company can be placed. [10%]
- (d) Give the folder structure that you will use for creating this web page. [15%]
- (e) Suggest a file name for your Home page. e.g._____.html [10%]
- (f) Briefly explain how the input GENDER can be improved. [10%]
- (g) Describe the design approach that can be used for this webpage to be responsive and mobile friendly? [15%]
- (h) Provide a categorized menu layout plan for the menu items given below.
 Home, About, Resources, Partners, Staff and Board, Open Positions, Resources, About Pet Foundation, Pet Adaptation info, Exotic Pets, Dog care, Dog breeds, Dog nutrition, Dog training, Dog problem, Volunteers, Volunteer opportunities, Current volunteers. [15%]



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Question-Set 2 of 2

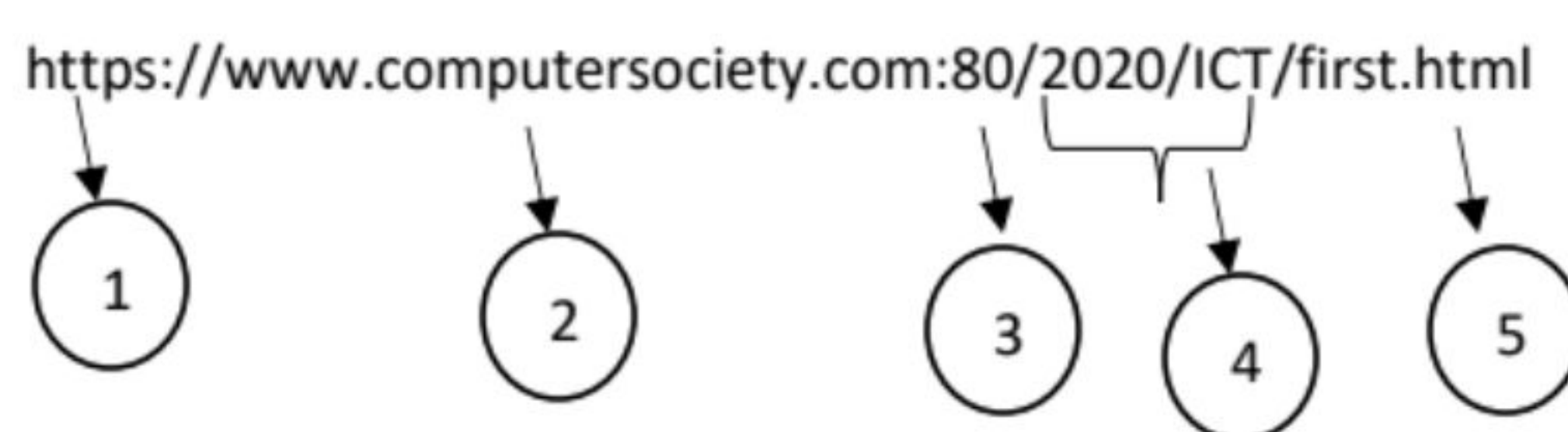
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2. (a) Write the code snippet to set the font family for an element with id “text1” to “Verdana”. [10%]
- (b) Identify the components of the URL given below.(Indicated with numbers) [20%]



- (c) State the purpose of any **three** of the following types of attributes in HTML:
- i. ID attribute
 - ii. Title attribute
 - iii. Class attribute
 - iv. Style attribute

[This question continues on the next page.] [15%]

- (d) List the significant differences between *block* and *in-line* elements with suitable examples. [20%]
- (e) Briefly describe any **three** of the following terms with regards to web and computer network:
- i. Web page
 - ii. Web server
 - iii. Web hosting
 - iv. FTP protocol
 - v. IP addressing [15%]
- (f) Suppose you have been asked to develop a website for the University of Vavuniya. Explain how you will apply the *User Interface (UI)* and *User Experience (UX)* concepts to develop a good web design. [20%]