

## University of Vavuniya

First Examination in Information and Communication Technology - 2020

First Semester - August 2022

## TICT1142 - Fundamentals of Web Technologies (Theory) Answer Two Questions Only

Time Allowed: One hour

1.	(a) State the use of domain name in World Wide Web.	[10%]
	(b) Consider the domain name given below:	[10%]
	developer.mozilla.gov.us  1 2 3 4	
	i. Identify the numbered components (1 to 4) of the given domain name.	[10%]
	ii. Briefly describe about the component 1 and component 4 of a given domain name.	[20%]
	(c) Explain the importance of Domain Name Server (DNS) for the successful delivery of a message in the Internet.	[20%]
	(d) Clearly explain the steps involved in DNS request.	[20%]
	(e) Discuss the importance of a hosting server to host files in the web.	[20%]

- (a) Briefly describe each of the following disciplines in the context of web designing. i. Interaction Design ii. User Interface Design iii. User Experience Design [15%](b) Describe what is meant by site performance in web designing and suggest ways [25%]to improve the site performance of a website. (c) Briefly describe the broad categories of the disabilities for web accessibility and provide two measures taken by the W3C to ensure content is accessible for each. [30%](d) Elaborate the uses of each of the following design documents. i. User research and testing report ii. Wireframe diagrams [30%]iii. Site diagrams (a) Consider the navigation bar shown below and answer the following questions. 3. [10%]i. Write a HTML segment to create the above navigation. Home About News Contact Us
  - ii. Write the CSS rules for the following styles by choosing suitable selectors.
    - A. Remove bullets, margin and padding.

[10%]

[15%]

B. Set width of the navigation bar to 200px, and background color #f1f1f1.

[This Question continues on next page.]

C.	Make the whole area of the link clickable, font color #000, padding top and bottom 8px, left and right 10px.
	op.2, rote data right topx.
D.	Change the link color to white and background color to #555 on mouse
	hover.
E.	Set the background color as #4CAF50 and foreground color as white

[15%]

[15%]

[15%]

when the link is active. Write the HTML written in part (i) with required modifications for the change.F. Make notifications in CSS rules to the suitable selector to make the full height, fixed navigation bar with the scrolling enabled if the side navigation bar has more content.