

1. The HyperText Markup Language (HTML) is an example of a semantic markup.

(a) Define the term semantic markup. [2]

(b) Why is it important to write valid HTML? [3]

(c) Write a short document that is valid HTML 5. [5]

(d) Cascading Style Sheets (CSS) support the styling of HTML documents.

i. Describe with the aid of an example the different ways in which styling can be applied to elements. [3]

ii. Which of the methods in part 1(d)i promotes best reuse of styles? [2]

(e) Online system typically communicate with other online systems using common data exchange formats.

i. Describe with the aid of an example two common data exchange formats used on the Web. [8]

ii. What are the advantages of using common data exchange formats? [2]