MODULE F THE INTERNET · F2

URLs, DNS and how a web page reaches your screen

Original practice questions · 20 marks · ~25 minutes · OCR J277 spec 1.3.1

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. The total for this worksheet is **20 marks**. All businesses on this sheet are made up.

1

Total: 2 marks

(a) State what the letters **DNS** stand for. **[1]**

(b) A DNS converts a URL into another type of address. State this type of address. **[1]**

2

Total: 4 marks

(a) Tick (✓) **one** box in each row to show which device each description matches. **[4]**

Description	Web server	Client	Domain Name Server
Stores the files that make up a website			
A laptop using a web browser to view a page			
Finds the IP address that matches a URL			
Sends web pages to the devices that request them			

3 **Total: 4 marks**

A furniture repair business has made a website. The business pays another company to host the website.

(a) Describe what is meant by **hosting** a website. **[2]**

(b) A customer views the business's website on a smartphone. Explain why the smartphone is a **client** in this situation. **[2]**

4 **Total: 6 marks**

(a) Tick (✓) **one** box in each row to show whether each statement is true or false. If a statement is false, rewrite it so that it is true. **[6]**

Statement	True	False	Rewritten statement (if false)
A DNS is one single server that stores the IP address of every website.			
A Domain Name Server stores a table of domain names and their matching IP addresses.			
The DNS sends the web page to the client.			
A web server stores web pages and sends them to clients that request them.			

5 **Total: 4 marks**

An office worker at a ferry company enters the URL of a supplier's website into a web browser. The first Domain Name Server that receives the request does **not** have the IP address for this URL.

(a) Describe how the IP address can still be found and what happens to it once it is found. **[4]**

Total for this worksheet: 20 marks