Task A – Design a five page website

1 Prior to designing your website it is important that you understand exactly what is required.

Firstly you need to interview the head of marketing for your chosen Town or City (the

Assessor), you will need to gain the following information from the interview:

• the aim and content of the website

• any user requirements

• timescales for completing the website.

Once you have this information you will need to produce a **short** plan that outlines the details

you have learned.

2 The head of marketing has asked you to design a **five** page website that advertises their

Town or City to tourists. The designs need to show the following:

• layout of each page

• a navigation diagram/storyboard

• the format of content including CSS

• any interactive features

• an email link for enquiries

• images

• any animation.

**The plans can either be hand drawn or drawn using ICT The plans can either be**

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Task B – Build a functioning five page website

1 Using the plans created in Task A, build a functional **five** page website that advertises the

Town or City that you have chosen.

Ensure your finished website includes the following:

• **five** functional pages

• any images

• navigation between each page

• **two** interactive features

• an email link for enquiries

• **one** animation.

Task C – Test a functioning five page website

1 Now that your website is complete, ask the assessor to observe you whilst you complete the

following tests:

• functionality testing, open your website in **two** different web browsers

• test your navigation, demonstrating the functionality of **each** link

• test your interactive features.

Task D – Knowledge

1 Describe **three** hardware and **three** software components that enable access to the web.

2 Explain the role of the following protocols:

• TCP/IP including IPv6

• HTTP

• SMTP.

3 Explain the role of the following:

• Internet Service Provider

• Domain name registrar

• Web hosting service.

4 Identify and briefly describe **four** types of web functionality.

5 Explain the use of **two** different Mark-Up languages.

6 Explain the use and functionality of:

• Web runtime environments

• Web application programming languages

• Databases including SQL

• PHP.

7 Identify **one** typical stack combination that can be used for web development.