**Underpinning knowledge**

**The candidate will be able to:**

**1 describe the effects that different screen resolutions and color depths have on web pages**

**Answer:**

**2 explain the significance of the speed of the internet connection between the user’s computer and the internet, eg: different file sizes and download times**

**Answer:**

**3 describe the main features and capabilities found in web browsers**

**Answer:**

**4 state the main features of the Hypertext Markup Language (HTML) and identify its limitations**

**Answer:**

first of all, HTML abbreviation as Hyper-text markup language it’s developed by Tim Berners Lee in 1990. The main features of the HTML is used to create a documents and display on WWW. IF there aren’t any things like HTML the developers won’t be able to know how the display goes. For the limitations of HTML it could be HTML can’t recognize line breaks or paragraph breaks unless you code it, can’t support all font style, cant translate easily from others types of documents and can’t recognize tab, space and margins. As we can see there’re still have something that limit HTML so that’s why now to program a website sometimes for others programmers the will include few programming language to form a website.

**5 describe the importance of the pixel**

**Answer:**

Due to Pixel it’s basically is a smallest digital image which will display on the monitor or briefly speaking that every device have monitor it will have different amount of pixel. The pixel resolution also determine the quality of display if there are more pixel per inch the device will have much better quality of resolution and for sure the images will more clearly so as a conclusion we now can know that the importance of the pixel is the more pixel you’ve got to your device the more clearly you can see but it will also need to depends on the monitor types.

**6 explain the advantages and disadvantages between different graphics file formats suitable for use in a web page**

**Answer:**

There are certain file format suitable to use in web page like JPG, GIF and PNG format. Different file format to use for web pages provide advantages and disadvantages. First for JPG file format it’s describe like compressed file format it can compressed the file size but when comes to others features JPG is mean to nothing. Second for PNG format the advantages of it it’s a good choice for strong line drawings and also support multi-level of transparency. But for disadvantages it won’t support on animations and can’t store multiple image in one files. Last for the GIF file format it’s support on transparent background or we can also say that it will help to have a professional look in a webpage with animation but even though GIF format have such good advantages it’s disadvantages is It only have maximum palette 256 color and sometimes it might provide poor qualities than other types of file format. Overall we now know that different file format provide different advantages and disadvantages and there are all using in specific places some are low but provide good quality of image.

**7 explain the issues involving copyright relevant to internet web sites.**

**Answer:**

First there are few issues involving in copyright to internet web sites. As we can see on the website if the things like name, pictures, data have a copyright right icon down there, it will prove as the things is under copyright laws to protect so once you perform wrong use you will get punishment. There are few we need to know is copy a pictures under copyright laws it will consider as infringement, linking a pictures under copyright it will also consider as infringement. So the best ways to avoid copyright infringement can be we need to ask for permission before copy the images under copyright laws, we also need to be clever when we want to download something on webpages we need to know if there is a word called copyright free hen you can free to download if not you will regret. If you want to use article from a publisher or writer you need to ask for permission and remember the article must be say taken from who. This are the common issues we need to take note because sometimes it’s also addicted in copyright laws on the webpages.