

**2014 HIGHER SCHOOL CERTIFICATE EXAMINATION**  
**Information and Digital Technology**  
**Web and Software Applications**

**Section II**

**30 marks**

**Attempt Questions 21–25**

**Allow about 40 minutes for this section**

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

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**Question 21 (6 marks)**

(a) Why are power leads tagged? 2

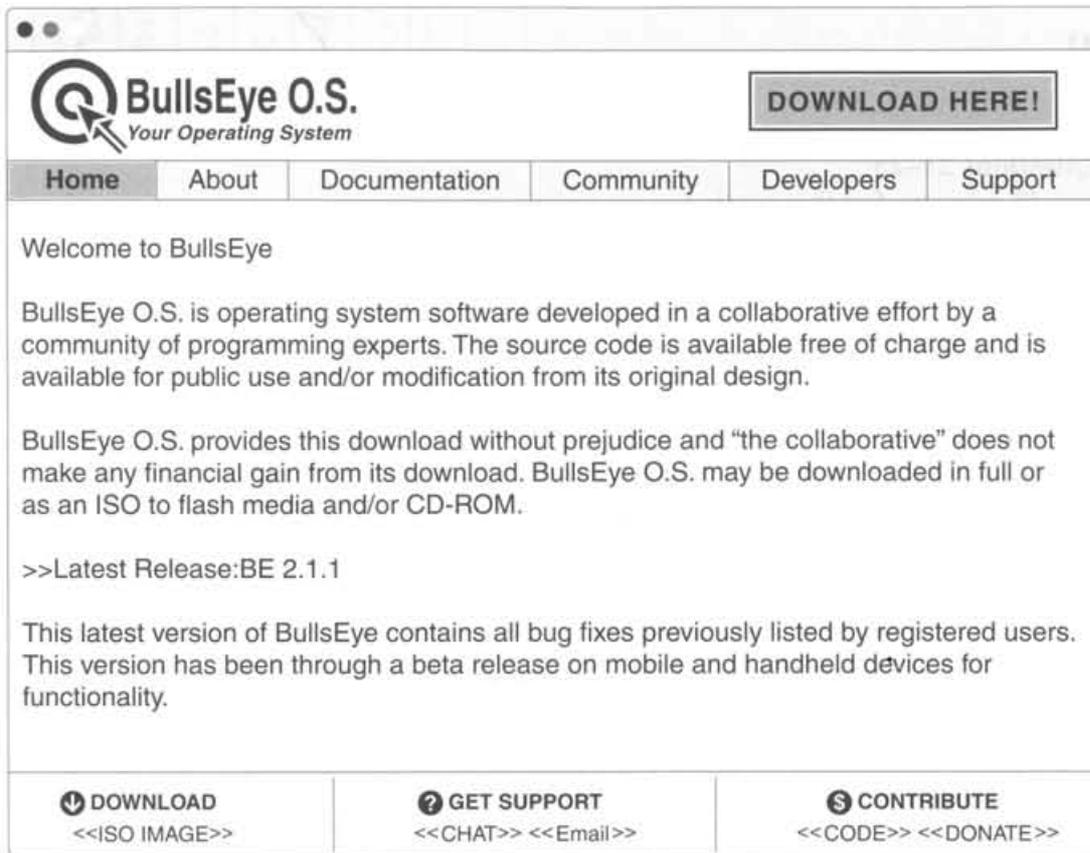
So they can be registered as usable devices and shows date of manufacture and serial numbers.

(b) Describe how a workstation can be set up to minimise neck, back and wrist pain. 4

With correct seating posture and height leveled out with the computer in front. The height must be leveled to allow arms to fit comfortably on the table.

**Question 22** (4 marks)

This diagram shows the home page for the 'BullsEye' operating system.



- (a) Identify TWO key features that define BullsEye O.S. as open source software. 2

• The source code is available free of charge and available for public use and/or modification from its original design.  
 • BullsEye O.S. may be downloaded in full or as an ISO to flash media and/or CD-ROM

- (b) Outline a procedure for installing BullsEye O.S. using the ISO image from this website. 2

It can be downloaded in full or as an ISO to flash media/or CD-ROM.

2014 HIGHER SCHOOL CERTIFICATE EXAMINATION  
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3	7	8		
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Centre Number

Section II (continued)

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Student Number

Question 23 (5 marks)

- (a) Why is it NOT necessary to run a disk defragmenting utility on a solid state drive? 1

because it doesn't need help.

- (b) The following is part of a server backup log from a small business. 4

Date	Backup type	Media type	Media ID	Verified
3/10/2014	Full	HDD	131003-A 131003-B	✓
6/10/2014	Incremental	Cloud	131006-A	✓
7/10/2014	Incremental	Cloud	131007-A	✓
8/10/2014	Differential	DVD	131008-A	✓
9/10/2014	Incremental	Cloud	131009-A	✓

Using the information in the backup log, describe and justify the most efficient procedure for restoring the full system in the event of a hardware failure on 10/10/2014.

131008-A or 131007-A will be appropriate because if it fails all you ~~are~~ you would have to do is to either ~~return~~ return the disk and get a new one or ~~give~~ download of the by network. ~~But~~ ~~very~~ ~~easy~~ ~~easy~~

**Question 24** (6 marks)

- (a) Using an example, distinguish between a formula and a function in a spreadsheet. 2

A formula is the set  
of instructions the digits are divided  
through. And the function is the  
doing of that process.

- (b) Describe file management functions that need to be implemented to ensure that a confidential document can only be accessed by authorised users and that the document is up to date. 4

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**2014 HIGHER SCHOOL CERTIFICATE EXAMINATION**  
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**Section II (continued)**

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**Question 25 (9 marks)**

- (a) What is a benefit of using cascading style sheets (CSS) in website development? **1**

Do allow better looking design to  
a website

- (b) Why is it useful for a web author to understand coding as well as WYSIWYG authoring? **2**

Because without this knowledge its  
not possible to build a webpage

**Question 25 continues on page 14**

## Question 25 (continued)

(c) This is the source code for a webpage.

```
<!DOCTYPE html>
<html lang="en">

<head>
<title>My Holiday</title>
</head>
<body style="background-color:yellow; font-family:arial;">

<h1>My Holiday</h1>
<p>We went to <strong><em>Hawaii</em></strong> by plane, then cruised to 4
<Strong><em>Tahitian islands</em></strong> on a cruise boat</p>
<p>We came back to Sydney on the cruise boat which was very
<em>relaxing</em></p>

  <h2>Oahu Hawaii</h2>
  <p>In Hawaii we stayed on the Island of Oahu</p>
  While in Oahu we visited the following places<br />
  <ul>
    <li><strong>Honolulu</strong>, Capital of Hawaii</li>
    <li>Pearl Harbour</li>
    <li>"USS Arizona" Monument</li>
    <li><p>
      <img src = "arizonamonumentsmall.png"
        alt = "USS Arizona monument" />
    </p></li>
    <li>Waikiki Beach</li>
    <li>Diamond Head</li>
    <li>Sunset Beach</li>
    <li>Waimea Bay</li>

  </ul>

  <h6>copyright : GS. October 2014</h6>
</body>
</html>
```

Question 25 continues on page 15

Question 25 (continued)

Draw the webpage as it would appear in a browser based on the given code. You may use text to describe features you cannot draw.

6

*background yellow.*

# My Holiday

my holiday  
 we went to Hawaii by plane then cruised to  
 4 Tahitian islands on a cruise boat  
 we came to Sydney on the cruise boat which  
 was very relaxing.

Oahu Hawaii  
 in hawaii we stayed on the island of

- Oahu.
- while in Oahu we visited the following places
  - Honolulu
  - 'USS Arizona' monument *img. arizona monument small.png*
  - Waikiki beach
  - Diamond head
  - Sunset beach
  - Waimua bay

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End of Question 25