Q1.

Stevie logs into a site to buy some music. She sees this symbol in her browser.

(i) What does this symbol mean?

(1)

☒ **A** The website is locked and cannot be used

☒ **B** It is not safe to use the website

☒ **C** Data on the site is encrypted

☒ **D** There might be a virus on the website

(ii) State **one** other way that browsers display security information.

(1)

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Q2.

Any High is a secondary school with over 1000 students age 11–19. It makes extensive use of ICT for teaching and learning, as well as administration.

The school has bought some wireless e-book readers.

Jenny streams videos to her e-book reader. Sometimes the videos do not play smoothly.

Give **two** possible reasons for this.

(2)

1 . . . .

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2 . . . .

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Q3.

Any High is a secondary school with over 1000 students age 11–19. It makes extensive use of ICT for teaching and learning, as well as administration.

The school has bought some wireless e-book readers.

Students can use web-based software on their e-book readers.

One benefit is that web-based software does not take up storage space on the e-book reader.

Give **two** disadvantages of working this way.

(2)

1 . . . .

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2 . . . .

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Q4.

Any High is a secondary school with over 1000 students age 11–19. It makes extensive use of ICT for teaching and learning, as well as administration.

The school has bought some wireless e-book readers.

Students can view websites on their e-book readers.

Explain why some companies provide a mobile version of their website.

(2)

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Q5.

* Discuss the impact of netbooks, e-book readers and other digital devices on the way students learn.

(6)

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Q6.

Any High is a secondary school with over 1000 students age 11–19. It makes extensive use of ICT for teaching and learning, as well as administration.

The school has bought some wireless e-book readers.

(i) Describe **two** advantages of e-book readers over printed books.

(4)

1 ....

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(ii) Give **two** disadvantages of e-book readers over printed books.

(2)

1 ....

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2 ....

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Q7.

Laura and Shameela are friends. They use digital devices to listen to their favourite bands and to watch music videos.

Laura and Shameela are going to a Hi-Riderz concert at the City Arena.

Laura receives this e-ticket on her smart phone.
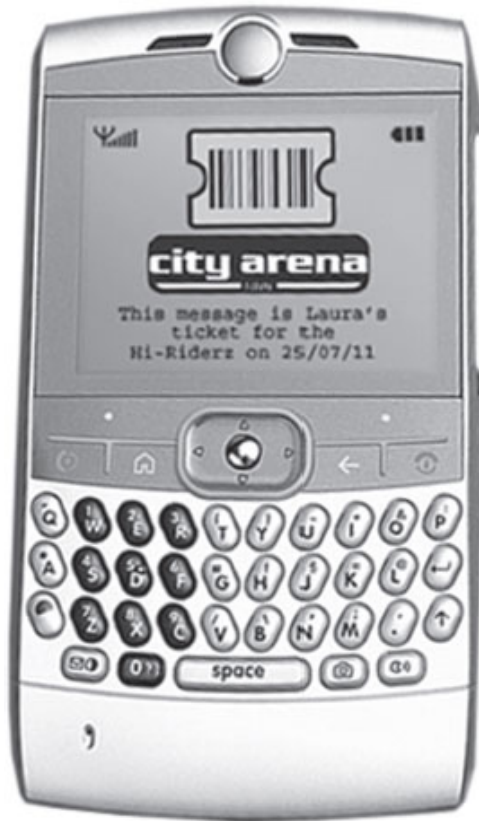
(i) Which **one** of these would have been used to send the e-ticket?

(1)

   ☒ **A** SMS

   ☒ **B** MMS

   ☒ **C** GPS

   ☒ **D** FPS

City Arena uses e-tickets rather than paper tickets.

(ii) State **two** benefits **to City Arena** of using e-tickets rather than paper tickets.

(2)

1 . . . .

. . . .

2 . . . .

. . . .

(iii) State **two** drawbacks **to Laura** of using e-tickets rather than paper tickets.

(2)

1 . . . .

. . . .

2 . . . .

. . . .

(iv) Which feature of the e-ticket will City Arena use to allow entry?

(1)

☒ **A** Event date

☒ **B** Customer name

☒ **C** Arena logo

☒ **D** Barcode

(v) The e-ticket is saved to Laura's phone memory.

Explain **one** benefit **to Laura** of having the e-ticket saved in her phone's memory.

(2)

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Q8.

Michael is a long-distance runner. He is preparing for a marathon.

On the day of the marathon, Michael wears a GPS device so his team can monitor his location during the marathon.

State **two** pieces of information that could be calculated using GPS data.

(2)

1 ....

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2 ....

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Q9.

Some social networking services also use GPS data.

Explain how the irresponsible use of GPS data could place social network users at risk.

(2)

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Q10.

Harry is a Year 7 student. He is doing a project on volcanoes.

Harry uses a search engine to find out about volcanoes.

(i) Describe the purpose of a 'search engine'.

(2)

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(ii) Harry enters the phrase **volcanic eruptions** into a search engine, but finds too many results.

How could Harry ensure that only web pages with the exact phrase he is looking for are found?

(1)

☒ **A** Use a different phrase

☒ **B** Use quotes around the phrase

☒ **C** Use a different search engine

☒ **D** Check his spelling

(iii) When Harry clicks on an image he cannot view the page and sees this message:
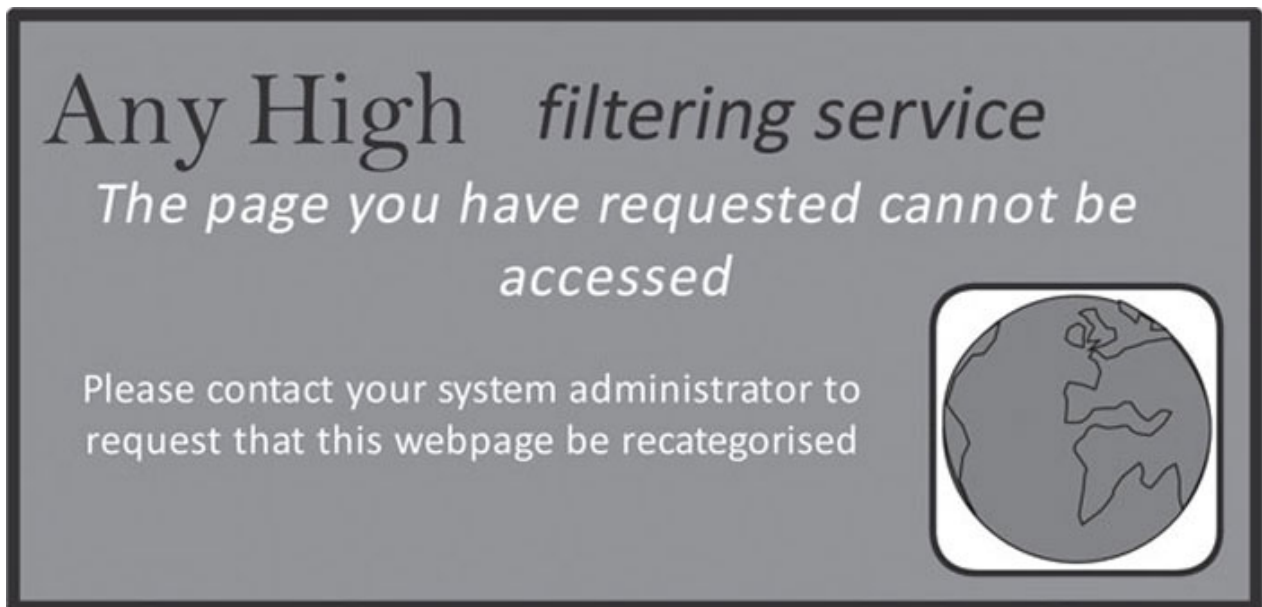
Why is this?

(1)

☒ **A** He has clicked the wrong mouse button

☒ **B** The internet connection is not available

☒ **C** The image resolution is too high

☒ **D** The webpage is blocked

(iv) Give **two** benefits of using the internet for research.

(2)

1 . . . .

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2 . . . .

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(v) Harry has a video of a volcano on his smartphone.

State **one** method Harry can use to transfer the video from his phone to the school network.

(1)

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