

**Q1.**

Mark plays online video games with people all over the world.

(i) Explain **one** benefit of using a network cable rather than a wireless connection for online gaming.

**(2)**

.....

.....

.....

.....

(ii) The bandwidth and latency of the internet connection are both important factors when playing online games.

Explain why both are important.

**(3)**

.....

.....

.....

.....

.....

.....

.....



**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.

Any High school uses an online database system to store information about students.

Every student is issued with a unique swipe card.

The canteen uses a pre-payment system. Harry's parents top-up his dinner money account online.

(i) When Harry goes to the till his card is swiped and details of his food items are entered.

State **two** things the system must do before updating Harry's dinner money account.

(2)

1 .....

2 .....

(ii) Harry's mother uses a credit card to top-up his dinner money account. She must enter the name and number shown on the card.

State **two** other items of information from the card she must enter.

(2)

1 .....

2 .....

(iii) Describe **one** benefit to Harry's parents of making online payments.

(2)

.....

.....

.....

.....

**Q4.**

Manjit is opening a social networking account.

In **Figure 3** Manjit has selected a secret question and provided an answer to it.

Select a question:	What is your favourite colour? What is the name of your primary school? What is your first memory? What football team do you support? What is your mother's maiden name?
Your answer:	<input type="text"/>

**Figure 3**

Explain why she has been asked to do this.

**(2)**

.....

.....

.....

.....

**Q5.**

Manjit is opening a social networking account.

Manjit is sent a confirmation email asking her to activate her account.

Give **one** reason for this.

(1)

.....

.....

**Q6.**

Manjit is opening a social networking account.

**Figure 4** shows a 'challenge response'. Manjit is asked to enter this text.



**Figure 4**

A 'challenge response' is used to:

(1)

- A test the computer's screen resolution
- B prevent automated sign-up scripts
- C stop people from guessing Manjit's password
- D test how good Manjit's eye sight is

**Q7.**

Manjit is opening a social networking account. She wants it to be secure.

The account requires a password.

(i) **Figure 2** shows that the password she has chosen is not very secure.

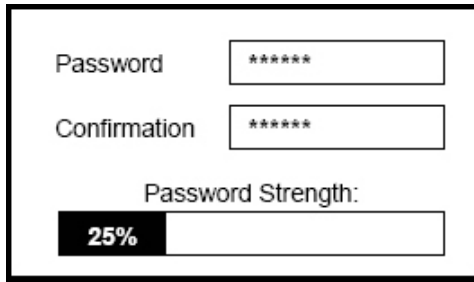


Figure 2

Which **one** of these passwords is the most secure?

(1)

A seahorse

B C-hor4se

C Chor4se

D C-horse

(ii) Manjit is asked to enter her new password twice.

Give **one** reason for this.

(1)

.....

.....

(iii) Manjit is asked if she wants the system to remember her password.

Explain why this might **not** be a good thing to do.

(2)

.....

.....

.....

.....

**Q8.**

Manjit is opening a social networking account.

Manjit will use the social networking site to share photographs with friends.

(i) State **one** way that she can control who can view her photographs.

(1)

.....

.....

(ii) Some of Manjit's friends exchange personal details with people they meet online.

Give **two** reasons why this might **not** be a good thing to do.

(2)

1 .....

.....

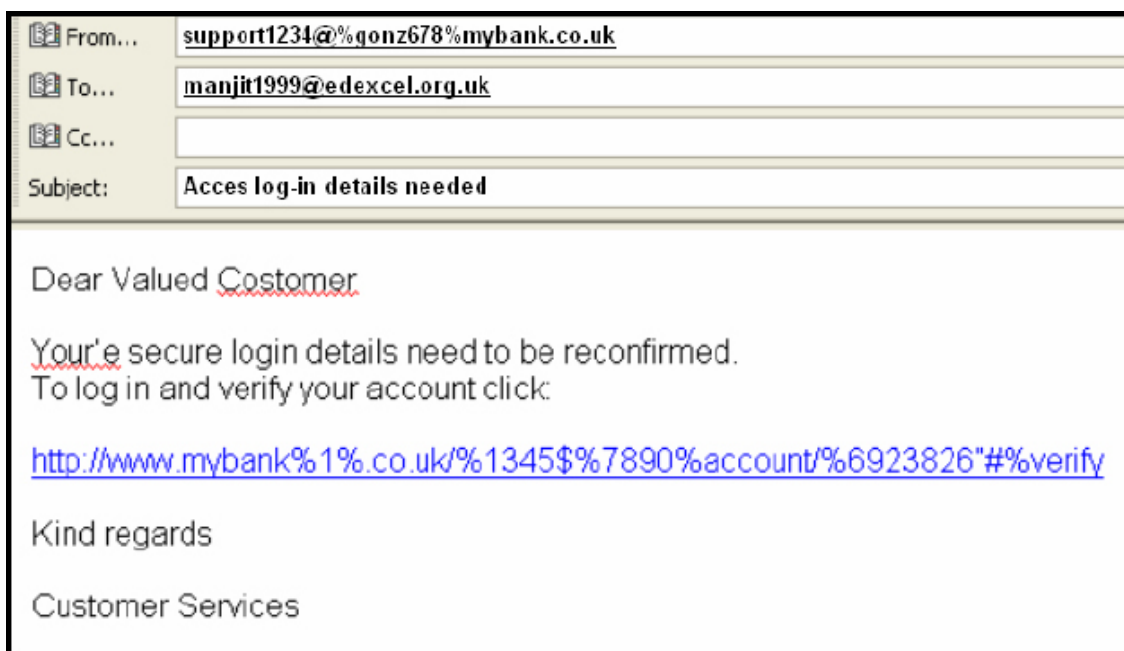
2 .....

.....

**Q9.**

Manjit has an account with 'My Bank'.

**Figure 5** shows an email Manjit has received.



**Figure 5**

(i) State **two** things about this email that indicate that it is **not** from Manjit's bank.

(2)

1 .....

.....

2 .....

.....

(ii) The term used for this type of email is:

(1)

A virus

B trojan

C phishing

D spyware



**Q10.**

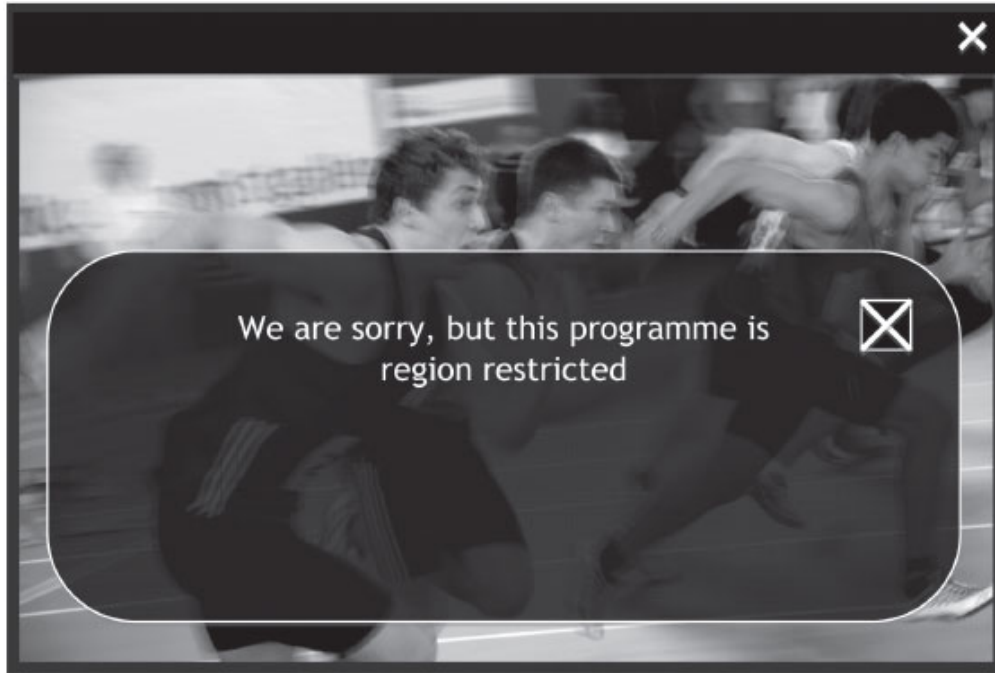
Michael and Ryan are athletes.  
They use digital devices as they try to improve their performance and when they relax.  
They are travelling to an overseas athletics event.

Ryan and Michael arrive in the country where the athletics event is being held.

Michael uses his tablet computer to watch TV online.

Michael opens a TV programme on a website hosted in his home country.

He sees this notice:



State how the website prevents viewers in other countries from watching the programme.

**(1)**

.....

.....