



0417 Past Papers

ICT

Chapter 10 Communication

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- 17 A student uses social media to keep in contact with other people.

Describe **four** strategies that the student could use to stay safe when using social media to communicate with others.

| | | |
|-----|----|---|
| 1 | 17 | Four from: |
| ... | | Don't give out other people's personal information such as address or phone number |
| 2 | | Don't send inappropriate images to anyone |
| ... | | Don't open/click on suspicious links/adverts on social media |
| 3 | | Don't become online 'friends' with people you do not know//don't contact/chat to people you do not know |
| ... | | Never arrange to meet someone in person who you only met online |
| 4 | | If anything you see or read online worries you, you should tell someone about it/block them |
| | | Use appropriate language |
| | | Set security so only friends can contact you |

[4]

Feb/March 2021/12

- 5 A parent is concerned about his children sending texts. When sending a text, it is important to follow netiquette.

(a) Explain what is meant by the term netiquette.

| | |
|------|---|
| 5(a) | Two from: |
| | Internet etiquette |
| | Set of social conventions |
| | They show common courtesy when communicating online |

[2]

- (b) The parent is planning to produce a number of rules to ensure that his children follow netiquette when texting other people.

Write down **four** rules that he could include in his list.

| | | |
|--------|------|--|
| 1..... | 5(b) | Four from: Do not use capital letters as it relates to shouting Do not use abusive/vulgar language/threatening behaviour Be clear in the text sent |
| 2..... | | Always check spelling and grammar Remember that sarcasm does not communicate well Respect other's privacy |
| 3..... | | Respect other people's views Do not use too many emoticons Do not use text language/slang |
| 4..... | | Do not spam Do not send inappropriate links |

Activate W
[4]

- 6 You have been asked by the secretary of a soccer club to create a website to publicise its results, fixtures and other events.

When the website has been created it has to be published on the internet. You plan to upload it onto the internet using FTP.

- (a) Explain what is meant by FTP.

| | |
|------|---|
| 6(a) | Two from: File transfer protocol <u>Network</u> protocol Used for transferring files from one computer to another |
|------|---|

[2]

- (b) Explain how to upload and publish the content of a website using FTP.

| | |
|------|---|
| 6(b) | Four from: Download the FTP client program Connect to the FTP server using the FTP client program Login to the server using FTP username and password Locate the files on your computer Click upload button on FTP client program Upload the files to the folder/web hosting space |
|------|---|

[4]

12 A search engine can be used to find information on the internet.

- (a) Describe the **disadvantages** of using a **search engine** to find information rather than typing in a web address.

| | |
|-------|--|
| 12(a) | Four from: Information overload Web sites at the top of the list may not be relevant May be more irrelevant information Search engines may not include all web pages If a website loads faster, it is given priority Search engine company may be paid to display certain web pages |
|-------|--|

[4]

- (b) A student is writing a project on rare animals. He uses a search engine to find information about the animals from the internet. He is concerned about the reliability of some of the information he has found.

Explain how he would **evaluate** the **reliability of this information**.

Six from:

Check the author of the website as anybody can publish their understanding of a topic
 Check if the website has excessive advertising
 Check the content/advertising of its own products of a website to see if it biased
 Check the final part of the domain name of the URL
 Example .ac, .gov, .org
 Check if site is endorsed by reliable/reputable people/organisations
 Check if it has links to other reliable sites
 Check if it has testimonials/reviews
 Check if the author's credentials are good
 Check if information is comparable to other information from reliable authenticated experts
 Check if the date of the last update was a long time ago
 Check if website has excessive spelling and grammar mistakes
 Can compare information from other sites to see if it is reliable

[6]

5 Complete the sentences using the most appropriate item from the list.

blog cookie email fax
search engine social media web browser wiki

(a) A piece of software that allows a user to display a web page is called a

..... [1]

(b) A personal internet journal is called a

..... [1]

(c) A web application that allows a group of people to edit the content is called a

..... [1]

| Question | |
|----------|-------------|
| 5(a) | Web browser |

| Question | |
|----------|------|
| 5(b) | Blog |
| 5(c) | Wiki |

12 The use of social networking is a part of modern living.

(a) Define the term **social networking**.

12(a)

Two from:

Dedicated website/app/platforms

It interacts with other users

Can be used to find people with similar interests

[2]

(b) Describe the benefits of using **social networking**.

Six from:

Communicating with friends and colleagues all over the world

Promotes collaboration and teamwork

Instant communication

Easy to find other people with common interests

Allows the exchange of content or documents

Allows people to share best practice/knowledge/skills

It can help in community projects

Gives up to date information

Can give more confidence to some people who may be shy//develop social skills

As it is seen by a lot of people helps advertising

Easier for online buying and selling//market products

Can be used more easily for analytics and market research

It can promote talent quickly, musicians

Make/socialise with new friends

[6]

- 14 Students in Tawara College are using the internet to find information for a project. They have been told that the college has a firewall.

(a) Explain what is meant by a firewall and why it is used.

Two from:

Could be hardware or software
Sits between the computer/network and the router
Filters/controls/monitors data/traffic coming in and out of the college network

Four from:

Checks whether the data passing through it meets a given set of rules
Blocks data that does not satisfy the rules
Alerts user about unwanted data
Can log all incoming and outgoing data/traffic to check later
Can prevent/block access to undesirable/inappropriate websites/IP addresses
Keeps a list of undesirable IP addresses
Can prevent hackers gaining access to the system
Can send out warnings
Can block the unwanted traffic in and out of the network
Keeps a list of desirable IP addresses/websites
It can block IP addresses

[6]

The students visit different websites to get information for their project.

(b) Explain why it is **not** always easy for the students to find reliable information on the internet.

Four from:

Anyone can post information on the internet
Websites may contain incorrect information
Any information found will need to be checked against reliable sources
Similar websites may have conflicting data on the same topic
The search engines tend to be generalised
Search engines do not necessarily give the most reliable searches at the top of the list//paying to have information at the top of the list
Data on the website could be out of date

[4]

- 9 Lanfen has purchased a new computer. The computer has no internal storage. All the data is stored in the cloud.

Compare and contrast computers that use cloud-based storage and computers that have internal backing storage.

Similarities

They are both used to store data
They are both mass storage
Both can be secured by passwords

Differences

Internal backing storage – physical storage in the computer
Internal backing storage – the user has control of the storage
Cloud – automatic backup takes place
Cloud – only pay for what you use
Internal backing storage – only initial cost is required
Internal backing storage – difficult to expand the storage
Cloud – can be used on different devices
Cloud – needs access to the internet to be used
Cloud – due to duplicate copies more chance of the data being hacked
Cloud – more chance of it being hacked as it is on all the time

Max **five** marks if only differences have been given in the answer

[6]

- 12 A student is undertaking research for his studies. He needs to find **up-to-date information** and has decided to look for it using the internet.

Explain how he would check the **reliability** of this information.

Six from:

Check the credentials of the authors of a website

Cross check the data with other websites

Check if the site has excessive advertising

Check If the advertising is related only to its own products

Check the final part of a URL ...

... .ac., .gov, .org government/academic sites are usually fairly reliable

Check if site is endorsed by reliable/reputable people/organisations it can be accepted as being reliable/If it has links to other reliable sites

Check the site for grammatical/spelling mistakes

Compare information from different text books to see if the results are similar

Check if it has been recommended by teachers

[6]

- (b) Protocols are associated with the internet and an intranet.

Identify **three** protocols and for each one, identify a use.

Protocol 1

Use

.....

Protocol 2

Use

.....

Protocol 3

Use

.....

[6]

Matched pairs:

HTTP/HyperText Transfer Protocol

Transfer data between a webserver and the browser//display/loads
pages//connect to a webpage

HTTPS/ HyperText Transfer Protocol Secure variant

One from:

Transfer data between a webserver and the browser securely//display/loads
secure pages//connect to a secure webpage
Secure variant of HTTP

FTP/File Transfer Protocol

Transfers files between computers/website

VOIP/Voice Over Internet Protocol

Makes phone calls over the internet

SSL/TLS

determines variables of the encryption for both the link and the data being
transmitted

SMTP

Communication protocol for email

SLS

Protocol used on the internet

- 13 Email is a common way of communicating with other people. Netiquette is associated with emailing.

A headmistress of a school has asked the network manager to produce a document listing netiquette rules the staff and students should follow when sending emails from the school.

Describe, giving reasons, **three** rules that he could produce.

1

.....

.....

.....

2

.....

13

Matched pairs

Do not be abusive//be polite

Do not threaten people with violence/Do not use abusive words/Do not cyber bully other students or incite bullying

As this will be upsetting for others

Check spelling and grammar

This sets a good impression

The points made are public

Be careful what is written as comments can be read by other people

Respect people's privacy

Do not discuss or publish information that might embarrass

Do not use capital letters

As this is conveyed as shouting

Don't send pornography

As it can be upsetting

Maintain your privacy

Do not send personal details

Check the email address carefully/check the names on the send list

So that emails are not sent to strangers

[6]

10 Define the following internet terms.

- (a) **Hyperlink**
.....
..... [2]
- (b) **ISP**
.....
..... [2]

| | |
|-------|--|
| 10(a) | Two from: Link from an image or word Link containing a URL//URL code When clicked on it takes you to a web page or position in a webpage |
| 10(b) | Two from: Internet Service Provider A company that provides users with <u>access</u> to the internet/internet services Usually broadband |

SPECIMEN PAPER 2016/01

5 When using the internet, FTP can be used.

Explain what is meant by the term FTP.

- | | |
|---|---|
| 5 | Two from: File transfer protocol Used when transferring files from one computer to another over the internet |
|---|---|
- [2]

- 3 In website authoring there are three web development layers. They are the **content layer**, the **presentation layer** and the **behaviour layer**.

(a) Tick the layer which best matches the following statements.

| | Content layer (✓) | Presentation layer (✓) | Behaviour layer (✓) |
|---|-------------------------|------------------------------|---------------------------|
| This layer is used to format elements within a web page. | | | |
| This layer is used to create the structure of a web page. | | | |
| This layer is used to enter scripting language to elements within a web page. | | | |
| This layer is defined by cascading style sheets. | | | |

[4]

- (b) When a web page has been created it needs to be loaded.

Describe the processes a web browser must go through to load a web page.

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..... [2]

- (c) Define the following internet terms.

HTTP

.....

.....

ISP

.....

.....

..... [4]

| Question | Answer | | | | Marks |
|----------|--|-----------------------------|----------------------------------|-------------------------------|-------|
| 3(a) | | Content layer (✓) | Presentation layer (✓) | Behaviour layer (✓) | 4 |
| | This layer is used to format elements within a web page. | | ✓ | | |
| | This layer is used to create the structure of a web page. | ✓ | | | |
| | This layer is used to enter scripting language to elements within a web page. | | | ✓ | |
| | This layer is defined by cascading style sheets. | | ✓ | | |
| 3(b) | Two from Request made by entering a web address/URL or clicking a link Retrieves code from the server/resources downloaded Interprets the code as a web page/uses page resources to build the web page The web page is <u>displayed</u> /renders page to view | | | | 2 |
| 3(c) | HTTP Two from Hypertext Transfer Protocol A method of accessing data over the internet Sets the rules of formatting and transmitting messages Used by the World Wide Web ISP Two from Internet Service Provider Allows users to access the internet Provides services such as domain name registration and web hosting | | | | 4 |

6 Tawara school uses both the internet and an intranet.

(a) Describe **four** disadvantages to students of using the internet compared with an intranet.

1.....

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2.....

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3.....

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4.....

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[4]

(b) Email is a service provided by the internet.

For each of the following problems, associated with email, describe methods of protecting your data.

(i) Spam

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[4]

(ii) Viruses

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..... [4]

| Question | Answer | Marks |
|----------|---|----------|
| 6(a) | Four from: Internet is not policed Material on the internet can be biased Material on the internet may not be reliable Anyone can create a website on the internet so inaccurate information can be posted Can visit inappropriate sites on the internet There are more security issues when using the internet There are more distractions when using the internet | 4 |
| 6(b)(i) | Four from: Do not reply to spam emails Use a spam email filter Block images in HTML messages as these are used as web beacons Unclick check boxes when buying items online Do not sign up to commercial mailing lists | 4 |
| 6b(ii) | Four from: Scan emails / attachments before opening Use <u>up to date</u> anti-virus software Do not download attachments from unknown sources Avoid opening spam emails | 4 |

- 15 Peter is researching his family tree for his history project. He has the choice of using historical records stored in the local library or the internet to find the necessary information.

Apart from not having to travel, discuss the advantages and disadvantages to Peter of using historical records stored in the local library rather than the internet.

[8]

| Question | Answer | Marks |
|----------|---|-------|
| 15 | <p>To be marked as a level of response:</p> <p>Level 3 [7 – 8 marks] Candidates will address both aspects of the question and discuss/consider different advantages/disadvantages. The issues raised will be justified. There will be a reasoned conclusion. The information will be relevant, clear, organised and presented in a structured and coherent format.</p> <p>Level 2 [4 – 6 marks] Candidates will address both aspects of the question and discuss/consider different advantages / disadvantages although development of some of the points will be limited to one side of the argument. There will be a conclusion. For the most part the information will be relevant and presented in a structured and coherent format.</p> <p>Level 1 [1 – 3 marks] Candidates may only address one side of the argument, and give basic advantages/disadvantages. Answers may be simplistic with little or no relevance.</p> <p>Level 0 [0 marks] Response with no valid content</p> <p>Answers may make reference to e.g.:</p> <p>Advantages No danger of accessing inappropriate information Relevant information can be found quite quickly, if the information you need is local to the area and held in the historical records at the library Don't have to worry about having to have internet connectivity Less likely to be information overload compared to the internet Librarian can recommend what and how to search in the historical records Index makes searching more efficient</p> <p>Disadvantages Historical records have limited amounts of information Historical records only contain one type of information whereas the internet contains records from other places Can be slower to find relevant information than using a search engine The census contains hand written data that is scanned therefore could be difficult to read Manual records don't have multimedia to help explain information Data in the historical records is not in digital form therefore cannot be copied and pasted. More errors in transferring the data than from the internet Access is limited to library opening hours Historical records cannot find information from around the world quickly It can be slower to search for information compared to the internet</p> | 8 |

16 Describe the features of the following:

(a) Blog

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..... [2]

(b) Wiki

.....

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..... [2]

| Question | Answer | Marks |
|----------|---|-------|
| 16(a) | Two from: Short for web log Personal internet journal / online diary Owners' observations / opinions on a topic / single author Others can post comments Frequently updated by owner Postings tend to be in (reverse) chronological order Blog is a website | 2 |
| 16(b) | Two from: Allows users to create / edit web pages using a web browser Many people can contribute / edit / update entries / collaborative Members of the group can contribute Holds information on many topics which can be searched Postings are not in chronological order Structure is determined by content / users Wiki is a website or software Wiki is usually objective | 2 |

- 5 A music festival is attended by very large crowds each year. Large amounts of data are collected by the organisers, who are planning to store it in the cloud.

(a) Give **four** advantages of storing the data in the cloud rather than using other storage methods.

- 1
-
- 2
-
- 3
-
- 4
-

[4]

(b) The organisers are worried that there are drawbacks in storing data in the cloud.

Describe **three** disadvantages of using the cloud to store data rather than other storage methods.

-
-
-
-
-
-

[3]

8 Discuss the advantages and disadvantages of social networking rather than email as a means of communication.

[8]

| Question | Answer | Marks |
|----------|---|-------|
| 8 | <p>To be marked as a level of response:</p> <p>Level 3 (7–8 marks): Complete level 2 To gain 7/8 marks there needs to be a justification of points made To gain 7/8 marks there must be a reasoned conclusion</p> <p>Level 2 (4–6 marks): Complete level 1 Award a mark for benefits and drawbacks or expansions of each. To achieve 4 marks there must be at least one benefit <u>and</u> drawback.</p> <p>Level 1 (1–3 marks): Award a mark for benefits <u>or</u> drawbacks to a maximum of 3 marks</p> <p>Level 0 (0 marks) Response with no valid content</p> | 8 |
| | <p>Example answers</p> <p>Social networking messages can be available to/seen by all Security settings can restrict who reads/makes the comments Communication can take place in a (private) chatroom Comments can be liked/disliked/shared Don't need to learn email address Live video/audio calls can be made/streamed Emails tend to be one to one Can share <u>live</u> videos You know who's online Larger upload size than email</p> <p>Emails are private between the sender and recipient // more secure Messages can be alerted as high priority Attachments can be used Emails tend to be more formal Auto reply / forward / reply can be used In social networking makes a person more prone to cyber predators/trolls</p> | |

- 12 HotHouse Design is a large design company. It has recently created a new web address for their design portfolios. The web address is:

<https://www.hothouse-design.co.uk/portfolios>

- (a) Describe the following parts of the web address.

[https://](https://www.hothouse-design.co.uk/portfolios)

.....

[hothouse-design](https://www.hothouse-design.co.uk/portfolios)

.....

[.uk](https://www.hothouse-design.co.uk/portfolios)

.....

[/portfolios](https://www.hothouse-design.co.uk/portfolios)

.....

[4]

- (b) Hyperlinks are widely used in web pages.

Explain what is meant by a hyperlink.

.....

.....

..... [2]

| Question | Answer | Marks |
|----------|--|-------|
| 12(a) | <p>1 mark for each correctly described part of the web address.</p> <p><i>https://</i> This is the hypertext transfer protocol secure Set of rules/protocol</p> <p><i>hothouse-design</i> this shows the domain name that the company have purchased</p> <p><i>.uk</i> The company/domain is registered in the UK</p> <p><i>/portfolios</i> The <u>folder</u> in which the work is stored on hothouse's server</p> | 4 |
| 12(b) | <p>Word/phrase/image When clicked links to another document/page/website/top or bottom of the page</p> | 2 |

[6]

- [8]

| Question | Answer | Marks |
|----------|---|-------|
| 15(b) | <p>To be marked as a level of response:</p> <p>Level 3 (7–8 marks): Complete level 2 To gain 7 marks there needs to be a justification of points made To gain 8 marks there must be a reasoned conclusion</p> <p>Level 2 (4–6 marks): Complete level 1 Award a mark for benefits and drawbacks or expansions. To achieve 4 marks there must be at least one benefit <u>and</u> drawback.</p> <p>Level 1 (1–3 marks): Award a mark for benefits <u>or</u> drawbacks to a maximum of 3 marks</p> <p>Level 0 (0 marks): No relevant response given</p> <p>For example:</p> <p>Benefits Using a search engine means that the data can be found quicker Internet has vast amounts/wide range of information Data tends to be up to date Students can research from home/on the move/anywhere Information is in digital form therefore easier to send/use in documents</p> <p>Drawbacks The internet is not regulated Danger of accessing inappropriate websites Can take a lot of time to find relevant information Need to have internet connectivity Searching techniques needed Copyright information could be plagiarised Data found on websites may be false Data found may be biased Viruses and malware could be uploaded Danger of students using the internet for other things not research</p> | 8 |

17 Email is one method of communication that uses the internet.

(a) Explain the strategies that you could use to protect yourself and your computer whilst using emails.

[6]

(b) When using the internet it is easy to accidentally give your personal details to others.

Give **two** examples of personal data.

1

2

[2]

(c) Describe ways of protecting your personal data when using the internet.

[5]

| Question | Answer | Marks |
|----------|--|-------|
| 17(a) | <p>Any six from</p> <p>Never open/download attachments/links from people you do not know...</p> <p>...as they may contain viruses/allows others to know the email address is live</p> <p>Never open emails from unknown sources...</p> <p>...as they may contain viruses</p> <p>Scan all emails using an up to date anti virus...</p> <p>...as new viruses are always being created</p> <p>Keep the number of contacts to a minimum...</p> <p>...as some viruses send emails to all names in your contacts list</p> <p>Do not use auto reply to emails...</p> <p>...allows others to know the email address is live</p> <p>As the email may be sent to people who should not see it...</p> <p>...do not use reply all</p> <p>...check names that you are replying to</p> <p>When replying always use a subject...</p> <p>...as people may not open emails without this as they think they are spam</p> <p>When replying remove extra information that was sent...</p> <p>...to stop others seeing things they shouldn't</p> <p>Watch sarcasm as it is not conveyed on the messaging</p> <p>Use netiquette</p> <p>Use a spam filter...</p> <p>...clear SPAM regularly</p> <p>Do not reply to spam emails...</p> <p>...as the spammer can see that your email address is live</p> <p>Do not give personal details in the email</p> <p>Do not reply to emails from unknown sources</p> | 6 |

| | | |
|-------|--|----------|
| 17(b) | Any two from, for example Family name Gender Nationality Religion Address Phone number date of birth Email address Bank details Medical history Ethnic origin Membership of a political party Criminal activity Membership of a trade union | 2 |
|-------|--|----------|

| Question | Answer | Marks |
|----------|---|----------|
| 17(c) | Any five from Use of <u>strong</u> passwords Regularly changing passwords Not replying to emails where personal data is asked for... ...unless you are sure of the recipient Use of different passwords for different emails/logins On social media not giving full name, picture etc. Setting social media to private Use an alias on online gaming Only send personal data on protected sites using https Using encryption techniques/TLS/SSL/Digital certificates | 5 |

- 15** You use a computer to do your homework. You are concerned about the health issues of using a computer.

Discuss the advantages and disadvantages of different methods you could use to help minimise the health problems of using the computer.

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[6]

| Question | Answer | Marks |
|----------|---|-------|
| 15 | <p>Advantages Max four marks:</p> <ul style="list-style-type: none"> – If the screen is 90 degrees to the window it reduces the glare/eye strain – If you use a screen filter/blue glasses eye strain is reduced – If LCD/TFT screens are used then eye strain is reduced – If my eye is level with the top of the screen it will reduce eye strain/neck ache – If I take breaks from excessive clicking on the mouse/keyboard this reduces RSI – Using voice activated systems reduces RSI – If I use a wrist rest/an ergonomic mouse it will reduce RSI – If I use an ergonomic chair it will reduce back ache – If I do not use the computer for long periods of time this will reduce RSI/back ache/eye strain/Carpel syndrome/Cubital syndrome/Neck pain/DVT <p>Disadvantages Max four marks:</p> <ul style="list-style-type: none"> – Turning the screen can reduce your ability to see clearly on the screen – Laptops can be difficult to ensure the screen is 90 degrees as the whole unit needs to be moved – The cost of safety equipment can be expensive – Using voice activated systems can be prone to many errors which may increase RSI correcting them – Users can become over-reliant on equipment – With laptops/screens it can be difficult to position it so the eye level is at the top of the screen – Taking breaks every hour can increase the work time <p>A mark can be awarded for a reasoned conclusion</p> | 6 |

(b) Define the following internet terms.

October/November 2017/11

HTTPS

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URL

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[4]

| | | |
|--------------|---|----------|
| <p>12(b)</p> | <p>Any two from:</p> <ul style="list-style-type: none"> HyperText Transfer Protocol Secure Secure version of HTTP All data is encrypted Secure protocol identifier <p>Any two from:</p> <ul style="list-style-type: none"> Uniform Resource Locator A reference/identify to a resource on the WWW/internet Used as a simple way of addressing a resource | <p>4</p> |
|--------------|---|----------|

16 Discuss the benefits and drawbacks of using the cloud for storing data rather than other methods.

[8]

| Question | Answer | Marks |
|----------|---|-------|
| 16 | <p>To be marked as a level of response:</p> <p>Level 3 7–8 marks Candidates will give reasoned benefits and drawbacks. The issues raised will be justified. There will be a reasoned conclusion. The information will be relevant, clear, organised and presented in a structured and coherent format.</p> <p>Level 2 4–6 marks Candidates will give both benefits and drawbacks. The issues raised may be justified. There may be a conclusion. For the most part the information will be relevant and presented in a structured and coherent format.</p> <p>Level 1 1–3 marks Candidates may only give either benefits or drawbacks. Candidate might not give reasons. Answers may be simplistic with little or no relevance</p> <p>Level 0 0 marks Response with no valid content</p> | 8 |

9 The internet is used as a method of communication. This includes Blogs, Wikis and VOIP.

(a) Describe the following ways of communicating.

(i) Blog

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.....

.....[2]

(ii) Wiki

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.....[2]

(iii) VOIP

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.....[2]

| Question | Answer | Marks |
|-----------|---|-------|
| 9(a)(i) | Any two from: Regularly updated Website or web page Run by an individual or small group/owner can only edit it Written in an informal or conversational style Online journal/diary/personal opinions | 2 |
| 9(a)(ii) | Any two from: A website or database Collaboration by a community of users/members of a group Allowing any member to add and edit content. | 2 |
| 9(a)(iii) | Any two from: Voice Over Internet Protocol Method for the delivery of voice communications over Internet /Internet Protocol/ IP networks Examples: IP/internet/broadband telephone/broadband phone service. | 2 |

- 17 Social networking is often used today rather than face-to-face conversations, letter writing and telephone conversations.

Discuss the advantages and disadvantages of using social networking.

[8]

| Question | Answer | Marks |
|----------|---|-------|
| 17 | <p>To be marked as a level of response:</p> <p>Level 3 7–8 marks Candidates will give reasoned advantages and disadvantages. The issues raised will be justified. There will be a reasoned conclusion. The information will be relevant, clear, organised and presented in a structured and coherent format.</p> <p>Level 2 4–6 marks Candidates will give both advantages and disadvantages. The issues raised may be justified. There may be a conclusion. For the most part the information will be relevant and presented in a structured and coherent format.</p> <p>Level 1 1–3 marks Candidates may only give either advantages or disadvantages. Candidate might not give reasons. Answers may be simplistic with little or no relevance</p> <p>Level 0 0 marks Response with no valid content</p> <p>The following are examples only</p> <p>Examples for advantages of social networking Increase the number of friends worldwide Send and receive live images instantaneously Real time information sharing Common groups can be formed more easily i.e. friends or social grouping and these keep in contact easier to advertise ...to a larger number of people easier to publicise events/activities ...music videos Speed of news increases Similar interests can contact each other</p> <p>Examples for disadvantages of social networking Reduces face to face communication/relationships Problem with sarcasm increases as it appears as rudeness Cyber-bullying increases Grooming increases Harder to ignore people Risks of fraud increases Risks of identity theft increases Risks of burglary as holiday reporting increases Time wasting increases Invasion of privacy increases Addiction to social networking Needs the internet Needs computer/device</p> | 8 |

- 5 Describe four strategies that you could use to minimise the dangers of using social networking sites to make new friends.

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[4]

- 15 Explain the differences between a blog and a wiki.

October/November 2016/12

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[4]

- 15 Four from:

Blog is website/Wiki is software or a website.
 Blog is a personal journal or someone's opinion/A wiki is usually objective.
 Blog has a single author/A wiki has many authors.
 Blog is based on the author's personal observations.
 Both use links to websites.
 Blogs are written in reverse date order/Wiki has a structure determined by content and users.
 Only an author can edit a blog or readers can only add comments to a blog/A wiki can be edited by any member of the group.

[4]

- 8 Uniform Resource Locators (URL) are used to locate web addresses and resources. In order to get to the weather forecast for Auckland, New Zealand, you would enter:

<http://www.bbc.com/weather/2193733>

- (a) Describe each of the following elements in the web address.

http://[1]

.....[1]

www.bbc.com[1]

.....[1]

weather[1]

.....[1]

2193733[1]

.....[1]

- | | | |
|---|---|-----|
| 8 | (a) http:// – this is a protocol/transfer protocol/hypertext transfer protocol | [1] |
| | www.bbc.com – this is the website address contains domain name, domain type and country code/server | [1] |
| | weather – this is the folder name | [1] |
| | 2193733 – this is the resource or the filename | [1] |

- (b) Two from:

If using a web browser, only the URL is needed.

If a URL is typed in a web browser the website is found straight away.

Resource may not be on search engine index yet, therefore cannot be found.

In the search engine the user needs to know what is on the website for the keywords.

Not sharing information with a search engine if you type in a URL [2]

- 11 The headteacher of a school has decided to allow all data about the students to be backed up onto the cloud.

- (a) Explain the ICT term cloud.

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.....[2]

- (b)** Even though the cloud appears to be an excellent resource, it has many problems.

Discuss the benefits and drawbacks of storing data in the cloud.

[6]

- 11 (a) Cloud is large groups of remote networked servers
They allow centralised data storage

[2]

(b) Six from:

Disadvantages

Loss of control of the data...

...as the data is controlled by a data storage provider.

...the user needs to be able to trust the service provider and its staff.

...security issues with the storing of the data with the provider

...fire/flood/electricity spikes can affect data without the user knowing.

The data remains on the server for a length of time...

...easier to be hacked as more copies of it available...

...available for longer...

...users must use strong passwords/authentication methods as hackers have longer time to be able to crack the password...

...as several copies of the data are available

If data is not encrypted...

...can lead to security issues due to loss of control/hacking.

If connection is lost then the cloud cannot be accessed...

...data could be lost due to this.

If there is a mass/lot of data the data could be split over several servers...

...may have problems retrieving the data.

...may lead to security issues.

...data may be lost during the saving process.

Cost of using cloud is more expensive than buying a hard disk/SSD...

...most computers come with a hard disk/SSD

Difficult to delete all copies of a file...

...as the data is stored/backed up several times.

Advantages

The data is accessible anywhere...

...helps to migrate data from one device to another.

...helps to synchronise data.

Don't have to buy storage devices...

...some devices do not have hard disks/storage

...the cloud can be used for all storage requirements.

More storage space than using physical devices...

...the cloud has lots of storage

Don't have to manage the storage...

...the service provider manages the storage

...user does not have to worry about security measures as service provider secures data.

Allows many users to access the data...

...as the data is stored centrally.

Only pay for the storage you use...

...much of the space on the hard disk may be wasted.

[6]

A mark can be awarded for a reasoned conclusion.

If one side of the argument i.e. all advantages/disadvantages then 3 marks max.

If both sides have been addressed but without expansions/comparisons then 4 marks max.

4 Tick which of these statements apply to a Blog, a Microblog or a Wiki.

| | Blog ✓ | Microblog ✓ | Wiki ✓ |
|---|-----------|----------------|-----------|
| Very restricted on the size of post | | | |
| Allows readers to edit posts | | | |
| Entries are not usually in chronological order | | | |
| Very difficult to customise | | | |

[4]

4

| | Blog ✓ | Microblog ✓ | Wiki ✓ |
|---|-----------|----------------|-----------|
| Very restricted on size of post | | ✓ | |
| Allows readers to edit posts | | | ✓ |
| Entries are not usually in chronological order | | | ✓ |
| Very difficult to customise | | ✓ | |

[1]

[1]

[1]

[1]

11 Describe what is meant by a microblog.

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11 Three from:

- It is a form/type of blog
- Shorter in length than a normal blog
- Consist of short sentences
- Posts are called microposts
- Accessed by subscribers

[3]

18 Give **three** reasons why files are backed up. 

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[3]

18 **Three** from:

In case original data is accidentally deleted

In case data is maliciously deleted

In case original data is corrupted

To recover a previous version of a file

[3]

18 Tick **three** features of wikis.

| | |
|--|---|
| | ✓ |
| A wiki is an example of a spreadsheet. | |
| A wiki is quicker to search than a database. | |
| Wiki entries are in chronological order. | |
| A wiki can have several contributors. | |
| Wikis are always a reliable source of information. | |
| Wikis can be edited using a web browser. | |
| Anybody can create a wiki. | |
| Wikis never contain hyperlinks. | |

[3]

18

| | |
|--|---|
| | ✓ |
| A wiki is an example of a spreadsheet. | |
| A wiki is quicker to search than a database. | |
| Wiki entries are in chronological order. | |
| A wiki can have several contributors. | ✓ |
| Wikis are always a reliable source of information. | |
| Wikis can be edited using a web browser. | ✓ |
| Anybody can create a wiki. | ✓ |
| Wikis never contain hyperlinks. | |

[1]

[1]

[1]

May/June2013/11

18 Discuss the use of blogs and social networking sites as means of communication.



[6]

18 Six from:

- Blog is public/anyone can see it
 - Blog is online diary/personal opinions
 - Viewers can only add comments on blogs/authors can reply to comments
 - Only author can edit blog
 - Social networking sites might only be available to friends of user
 - Social networking site enable users to send messages to small group of 'friends' to arrange meetings
 - Friends can respond more quickly to messages within the group to confirm availability
 - Easier to share photographs with others
 - Social networking sites can lead to seclusion from society
 - Social networking sites can lead to cyber bullying
- [6]

May/June 2013/13

10 Describe what is meant by a blog.

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[4]

10 Four from:

- Weblog
 - Usually one author
 - Personal opinions on a number of topics/personal thoughts
 - Can be an electronic diary
 - Others can comment
 - Only author can edit entries
- [4]

16 Describe what is meant by a Wiki.

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..... [4]

16 Four from:

- Can be a website/software
- Users can create/add content/pages
- Users can modify content/pages
- Users can delete content/pages
- Using a web browser
- Using a simplified mark-up language/a rich-text editor
- Are often created collaboratively by multiple users
- Examples include community websites, corporate intranets, knowledge management systems [4]



6 Describe **three** features of a social network site.

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6 Three from:

- Allows users to keep in contact/communication/connect with friends
- Allows user to send messages to more than one friend/to people overseas
- Can search for people who you've fallen out of touch with/people with similar interests
- Can arrange meetings/events/visits to cinemas/theatre with whole group
- Can show photographs to whole group/share photographs/music/videos
- Can create and share personal profile
- You can follow actions/thoughts of others
- Can write comments on other's posts
- Can have privacy controls
- Can lead to cyber bullying

[3]

October/November 2013/13

11 Explain why information found on websites is not always reliable and describe how the reliability of the information can be evaluated.

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[5]

11 Five from:

Anybody can set up a website (claiming to be factually accurate) so information is not necessarily reliable/accurate
 Some commercial sites are bound to be biased
 If site has excessive advertising it could be unreliable
 If the advertising is related only to its own products it could be unreliable
 Can use the final part of a URL to identify reliability
 .ac, .gov, .org are usually fairly reliable
 Compare information from reliable sites or reliable/authenticated text books (to see if it is reliable)
 See if responsible bodies have endorsed the site
 Does it have links to other reliable sites/unreliable sites?
 If site has testimonials it is likely to be reliable
 If the date of the last update was a long time ago it is likely to be unreliable
 If the author's credentials are good it is likely to be reliable

[5]

May/June 2012/12

5 Tick whether the following statements apply to Blogs or apply to Wikis.

| | Blogs | Wikis |
|---|-------|-------|
| Usually in some form of chronological order | | |
| Usually many contributors and authors | | |
| Usually personal | | |
| Postings tend to be short in length | | |

[4]

5

| | Blog | Wiki |
|---|------|------|
| Usually in some form of chronological order | ✓ | |
| Usually many contributors and authors | | ✓ |
| Usually personal | ✓ | |
| Postings tend to be short in length | ✓ | |

[4]

7 Describe **three** differences between a blog and a wiki.

1

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2

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..... [3]

7 **Three** from:

Blog usually has a single author/ a Wiki usually has many authors

Blog is usually in reverse chronological structure/ a Wiki has a structure determined by content and users

Blog is usually personal/someone's opinion/ a Wiki is usually objective

Can't edit a blog/ a Wiki can be edited/ Can only add comments to a blog

[3]

- [6]

[6]

- Internet is not policed so information is not necessarily reliable
Anybody can have a website so information is not necessarily reliable
Anybody can publish their understanding of a topic so information is not necessarily reliable
If site has excessive advertising it could be unreliable
If the advertising is related only to its own products it could be unreliable
The final part of a URL can help to identify reliability...
... .ac, .gov, .org are usually fairly reliable
Can compare information from sites to see if it is reliable
If site is endorsed by reliable/reputable people/organisations it can be accepted as being reliable
If it has links to other reliable sites it is usually reliable
If it has testimonials it is likely to be reliable
If the author's credentials are good it is likely to be reliable
If information is comparable to information from reliable/authenticated/text books it is likely to be reliable
If the date of the last update was a long time ago it is likely to be unreliable

[6]

