Name: _____

IAL IT Topic 3 Examiner's Report

Date:

Time:

Total marks available:

Total marks achieved: _____

Q1.   No Examiner's Report available for this question

Q2.

Asks for one benefit and one drawback to Gathii of using free cloud storage.

This is worth four marks but is effectively two lots of two marks.

The answers in the mark scheme are indicated to be 'such as' and are therefore not a definitive list. So, e.g. 'Gathi does not have to carry the burden of maintaining the devices the images were stored in as they are taken care of by the providers of the free cloud storages' would be worth two marks but it is not in the mark scheme.

The way in which cloud storage is used is changeable and new ways, and benefits and drawbacks, are likely to develop. The mark scheme may need additions in the future.

Q3.

Around half of the candidates failed to score on this question, making no mention of DNS or how it works. Those who did mention DNS usually scored more than one mark.

Q4.   No Examiner's Report available for this question
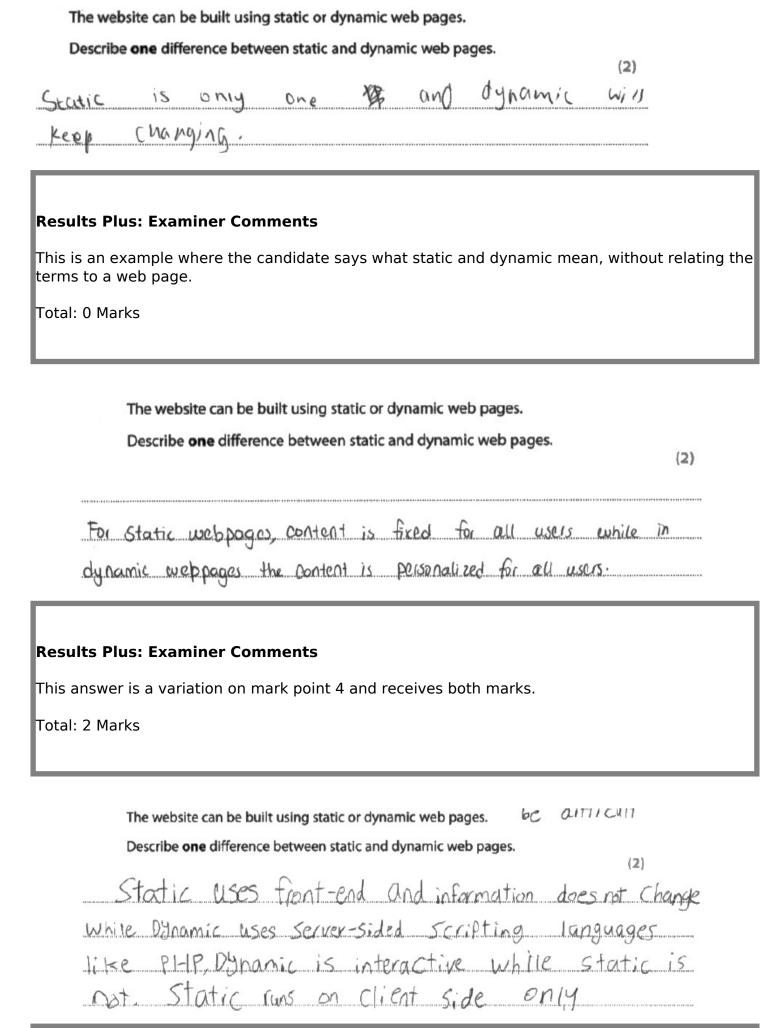
Q5.

There was a lot of confusion here about the terms static and dynamic as applied to web pages. Far too many candidates answered in terms of static and dynamic IP addresses and were unable to score any marks.

Q6.

This question concerned the difference between static and dynamic web pages.

Unfortunately, numerous candidates wrote instead about static and dynamic IP addresses.

Another popular incorrect answer was simply to define the words static and dynamic, with little or no reference to a web page.

The website can be built using static or dynamic web pages.

Describe **one** difference between static and dynamic web pages.

(2)

Static is only one ~~⚡~~ and dynamic will keep changing.

Results Plus: Examiner Comments

This is an example where the candidate says what static and dynamic mean, without relating the terms to a web page.

Total: 0 Marks

The website can be built using static or dynamic web pages.

Describe **one** difference between static and dynamic web pages.

(2)

For Static webpages, content is fixed for all users while in dynamic webpages the content is personalized for all users.

Results Plus: Examiner Comments

This answer is a variation on mark point 4 and receives both marks.

Total: 2 Marks

The website can be built using static or dynamic web pages. bc difficult

Describe **one** difference between static and dynamic web pages.

(2)

Static uses front-end and information does not change while Dynamic uses server-sided scripting languages like PHP. Dynamic is interactive while static is not. Static runs on client side only

The website can be built using static or dynamic web pages. *the internet is loaded.*

Describe **one** difference between static and dynamic web pages.

(2)

In a static web page, the content does not change unless changed manually but for Dynamic web page, the content is different for different uses. Static written in HTML, CSS ~~, javascript~~ whilst dynamic written in ASP, ISP.NET, AJAX, PHP, etc.

Q7.

This is a levels based question and showed a good spread of marks in levels one and two. Most candidates seemed not to understand the difference between active and passive footprints and therefore found it hard to reach level three.

Q8.

This was an extended-writing question in the form of a short essay about improving the digital footprint of a small business.

The mark scheme is levels-based. Most candidates had some basic idea of what a digital footprint is but rather fewer seemed to know about how to be pro-active in improving a footprint.

A friend tells Tanvik that he could get more online sales of his candles by improving the digital footprint of his business.

Discuss how Tanvik might improve the digital footprint of his business.

(6)

- Digital Footprint is when an of induvidual or a organization's history in the intenet such as their activity in the internet.
- Tanvik can improve his digtel potprint by creating social media accounts for his organization. Creating these social media accounts will make him have a stronger digtel Footprint ^this getting more online costmars.
- Creating online adverts can create a better

digital footprint such as sponsorship adverts or pay-per-click adverts that make his product have a stable digital footprint.

· Asking the coustmers to review the product online and not the product in his website or social media accounts can make him improve his digital footprint and create a reputation for his product.

· Creating a website for his product will also impact ~~such~~ his digital footprint. Tanvik can create a static or dynamic webpage that coustmers will visit and also improve his digital footprint

A friend tells Tanvik that he could get more online sales of his candles by improving the digital footprint of his business.

Discuss how Tanvik might improve the digital footprint of his business.

(6)

Send some advertisment online and . Send some ~~blog~~ blog on social media . or Pay for the search engin make them put your website or information of your website at the ~~front~~ front.

A friend tells Tanvik that he could get more online sales of his candles by improving the digital footprint of his business.

Discuss how Tanvik might improve the digital footprint of his business.

(6)

A digital footprint is a trail that is left on the internet either intentionally or unintentionally. Tanvik can create digital footprints through various ways to help get more online sales.

Tanvik can post on social media about his business on a daily ~~business~~ basis and advertise his posts to other customers who are interested in ~~decorat~~ buying decorative candles through targeted advertising and this will drive more customers to his website ~~business~~ and gain more sales

Tanvik can advertise his website through his a search engine, this will increase traffic on tanvik's website and increase is improve his search engine optimization so that his website is in one of the top results.

He can also join other online communities and share details about businesses to attract more so customers.

Q9.

Many candidates were still confused between dynamic web pages and dynamic IP addressing. Many giving a good account of static and dynamic IP addressing which in no way related to the question. Security and hiding the web page was a favourite with quite a few candidates. However, there were many who did read the question correctly and gave a good account of Hilmi's web pages. A minority did attempt to relate the question to other websites rather than Hilmi.

Q10.

This question asked why a website needs a domain name as well as an IP address.

There were many answers saying that a domain name was needed to register the website, or needed to be unique. Although correct, these do not answer the question.

Tanvik makes and sells decorative candles.

He wants to expand his business by creating a website for online sales.

Tanvik's website has an IP address and a domain name.

Explain why a domain name is needed.

(2)

So you are not confused with other domains, & so everyone knows your name is taken.

Results Plus: Examiner Comments

Although correct, the need to avoid confusion with other websites does not answer the question, because the IP address would be sufficient.

Total: 0 Marks

Tanvik makes and sells decorative candles.

He wants to expand his business by creating a website for online sales.

Tanvik's website has an IP address and a domain name.

Explain why a domain name is needed.

(2)

So that when a user inputs the HTML adress the domain name server can identify the Ip adress of the website.

Results Plus: Examiner Comments

This answer receives one mark from the second example, regarding a domain name server looking up an IP address.

Total: 1 Mark

Tanvik makes and sells decorative candles.

He wants to expand his business by creating a website for online sales.

Tanvik's website has an IP address and a domain name.

Explain why a domain name is needed.

(2)

A client will use the domain name of the website to connect to the website through their browsers which will get the IP address of the website through DNS servers since IP addresses are ~~not an~~ not able to be remembered for every website.

Results Plus: Examiner Comments

This is a good answer.

It has part of the first example, regarding IP addresses being hard to remember.

It also has a two-mark answer regarding using the domain name in the browser to access an IP address via a domain name server.

Total: 2 Marks

Q11.   No Examiner's Report available for this question

Q12.   No Examiner's Report available for this question

Q13.

(i) asks what is meant by personal data. The mark scheme lists three marking points. Any combination could be used for a two mark answer. Examples of personal data such as 'name' should be accepted for the first marking point.

(ii) is about ways for a community member to to protect their account. The mark scheme lists acceptable answers.

Other methods may be possible, but they must be ones that an individual could use.

(iii) is about ways for a community administrator to protect members' data. The mark scheme

lists acceptable answers.

Other methods may be possible, but they must be ones that an administrator could apply to all accounts/members' stored data.

Q14.

This is a short essay question about how an online learning environment could help a Biology student, Alex, who is doing fieldwork away from his university.

This is worth six marks.

The indicative content in the mark scheme includes a wide range of possible benefits. Good answers do not need to include all the benefits shown or even one from each category shown.

The level three descriptor requires 'accurate and relevant knowledge, and a balanced and fully developed discussion'. Balance may be satisfied by discussing benefits from two or more areas of the indicative content.

Relevancy can be shown by linking the measures to the context of the university/fieldwork/Biology studies/student life.

Q15.   No Examiner's Report available for this question

Q16.

This question is about ways of monetising the online community. The mark scheme lists acceptable answers.

New methods of monetisation are likely to occur and should be given credit.

Q17.

(i) asks what is meant by an online community. The mark scheme gives some examples of acceptable answers. The first and second parts of each description might be reversed, and sensible answers might be derived from e.g. the first part of example 1 and the first part of example 3. Essentially, a two mark answer needs to indicate use of the internet and a common interest.

(ii) asks how a Biology student, Alex, might benefit from membership of an online community. The mark scheme gives some examples of acceptable answers. The first and second parts of each description might be reversed, and sensible answers might be derived from parts of two examples.

The answer should have some reference to Biology and/or student life.

Q18.

The mark scheme lists acceptable answers. No others were seen but any reasonable method of monetisation would be allowed as long as it is applicable to a blog about wildlife photography.

Q19.

Asks for two benefits to Gathii of being a member of an international photography forum.

This is worth four marks but is effectively two lots of two marks.

The answers in the mark scheme are indicated to be 'such as' and are therefore not a definitive list. The answers need to be relevant to the forum and must not be about publicising Gathi's blog as that is given in the question.

So, e.g. 'Gathi can communicate with people who might be interested in his blog and create a wider audience' would be true, but not worth any marks.

While 'He can also ask them about how he can improve his work so he can be more professional about what he does' would be worth two marks, consistent with the first example in the mark scheme.

Q20.

This was an extended writing question in the form of a long essay, about introducing and supporting digital devices in the context of a sixth form college. The mark scheme is levels based.

Candidates were asked to consider aspects of both hardware and software.

Most candidates obtained better marks than expected, possibly because of their own experience with digital devices in school or college.

More-able candidates also noticed the number of students involved, 1200, and based some good answers around the costs and logistics of dealing with large numbers of devices.

A new purpose-built sixth form college will be opening next year.

The college will have 1200 students.

The college has these decisions to make.

1. Whether students will be allowed to use their own digital devices for their college work or only be able to use college-provided hardware.

2. Whether to use web-based software applications, such as online productivity apps, or locally-installed software.

Evaluate the options and make recommendations on the decisions that the college should make. You could consider:

- technical support
- security
- connectivity.

(12)

Technical Support: Students will be needing their digital devices if they will have to work online or research for their work process keeps quizzes a web based software applications can be more useful to use due to the reason that they don't need online access and this makes their work samples and answer to finish and as the software get up graded online or download they will able to be use than amount of work experience and ~~use~~ make high amount of best research due to they topic.

~~See~~ Security:

Due to the security conditions it is better to download the software (easier than working online due to malware

viruses Encryption Made by unauthorised access by threads with their other names hackers. In order to keep their devices softwares and network safe they can make uses of firewalls to check the computer system traffic and block users who try to gain access to system. Use secure passwords capital small mixed letters numbers. Make use of Pin codes. Biometrics: finger print face recognition foot prints just to recognize the real users of the IT system.

Connectivity:
For the connectivity they could use with correct switches modems and a VPN for networks security system.

Conclusion
I agree with the statement of College to make use of these type of systems with all the correct conditions and restricted nected.

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(12)

If the college were to provide its students with college-provided hardware, students may not value the college-provided hardware. They might not care about the technology provided by the school.

Furthermore, college-provided hardware would be hard to maintain for the college and might be inefficient. The hardware would need constant updates and need to be powered (charged or plugged in).

The college provided hardware would be relatively secure, preventing the college's students from misusing its hardware devices. The college may provide an internet connection, however it would be slow as around 1200 students would be using the same connection this would incur extra costs to the college.

If the college were to allow students to bring their own digital devices it would be more convenient. Students can access data comfortably. Students devices may be up-to-date making it fast and secure. Students would have proud

passwords / authentication to protect their devices and data. Students may access the internet using a mobile connection rather than the ~~school~~ college provided internet, which would be more faster. Although students may misuse their digital devices it would be more convenient for the school and its students, as students can store their data with them and take their devices back home without having to leave them at school. The school will not have to spend a lot of money on college-provided hardware.

The college should use web-based software applications as it would be much ~~more~~ more efficient to the college and the students. Web-based softwares are up-to-date whilst locally-installed software would need to updated manually. Web-based softwares may also offer 24/7 technical support if you would need any help. However, web-based softwares are not as secure as a locally-installed software, ~~adverts~~ adverts and popups may appear and if clicked could allow malware to enter the device, but it can be avoided by having a strong anti-malware software. The use of ~~a~~ web-based software would allow the college to upload data/information (presentations, notes) online so students could access these ~~the~~ files at a later time. However, these applications cannot be accessed without an internet connection, which would make the user be unable to access the files.

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Evaluate the options and make recommendations on the decisions that the college should make. You could consider:

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- security

- connectivity.

(12)

Since the college is new and will be expecting 1200 students providing those 1200 students college provided hardware won't be easy. this is because since the college intends to provide all 1200 student with college provided hardware it will get expensive become expensive. Furthermore, Since you are providing students with hardware they have never seen before they will require technical support in order to learn how to use these new devices. Also there is also the possibility that since the ~~tab th~~ hardware are provided by the college students may not take care of them well. Some students may not even attempt to steal the hardware given to them. Furthermore since these devices do not have sim cards to provide cellular connectivity the college will have to setup an internet network that works throughout the college premises. this will also be an additional cost.

However if the college were to allow the use of students own digital devices it would benefical to the college. Firstly, this is because the college does not have to spend money purchasing digital devices for all 1200 students. this will mean they don't have the additional cost compared to providing students with hardware. Because they don't have to provide students with hardware and students are

using their own devices no technical support will be needed as the students are already familiar with their own devices due to them having it for a long period of time as such they wont need tech support. Furthermore, Since students are using their own digital devices they will go to great lengths to protect them and the chances of their devices being stolen is slim. Lastly, Since most of the devices have their own sim cards most likely they will use their own cellular connection this way the college wont have to provide connectivity to the internet for students. In conclusion my opinion I believe the college should allow student's to bring their own digital devices as it is more cost effective and beneficial for both the college and students.

With if the college using locally installed software there is no internet connections required this allows the use of being able to store files online or they could have it made available offline. Furthermore Since the software is available locally on the device this means that the software in itself does not require an internet connection and work can be done while you are offline However if the college uses web based software they will require an internet connection. this means that the files can be made offline but cannot be edited unless there is an internet due to the web based software itself requiring an internet connection to run. meaning working on the files offline is not possible. therefore i believe it is the better option to use locally installed software therefore the college should 'use locally installed software as it is more convenient as files can be edited as well as made offline on locally installed software whereas this can't be done on web-based software applications

This is easily a top of Level 3 answer.

Total: 12 Marks

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(12)

*The Students having their own digital devices Used in the college is more Secure than having to use the general devices Provided by the School This is because the Student could ttse for Not like it if anyone could have to tamper with their School work or even have access to them.

---

*It is more effecient for Students to have thier personale wifi router other than using the general one provided by the School because due to two Many Users on the wifi router the network might become Slow and there by making the Student to feel uncomfortable and making their work slow

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Results Plus: Examiner Comments

This is a Level 1 response.

The answer does include a few points about devices, but not the software.

The first sentence of the second paragraph could be seen as a sort of recommendation.

The answer was assessed as being mid-Level 1.

Total: 3 Marks