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IAL IT Topic 3 Questions	
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Mobile devices use apps for playing media files. Some of these apps send the media files to the cloud for processing.
Discuss the advantages and disadvantages of using cloud computing for processing data in this way.
(6)

(Total for question = 6 marks)

Gathii has a blog. He writes articles about wildlife photography for his blog. He has a large following and thinks he can make money from his blog.	
Gathii uses free cloud storage for his images.	
Explain one benefit and one drawback to Gathii of using free cloud storage.	
	(4)
Benefit	
Drawback	
(Total for question = 4 mar	ks)
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Q3.	ks)
Q3. Hilmi Megat has a personal website.	ks)
Q3.  Hilmi Megat has a personal website.  Hilmi uses the website to tell people about the places that he has travelled to.	ks)
Q3.  Hilmi Megat has a personal website.  Hilmi uses the website to tell people about the places that he has travelled to.  The website's domain name is www.hilmi-megat.com and the IP address is 203.0.113.15.  When someone wants to visit the website, they enter the domain name into their browser	ks)
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Q3.  Hilmi Megat has a personal website.  Hilmi uses the website to tell people about the places that he has travelled to.  The website's domain name is www.hilmi-megat.com and the IP address is 203.0.113.15.  When someone wants to visit the website, they enter the domain name into their browser address bar.  Describe how the connection is made to IP address 203.0.113.15.	

(Total for question = 3 marks
Q4.
Julie is a website developer. She designs and builds websites to meet the requirements of clients.
Some of Julie's websites use scripts to make them interactive.
These may be run as client-side scripts or server-side scripts.
(i) State the difference between a client-side script and a server-side script.
(1
(ii) Explain <b>one</b> reason why a website owner might prefer to use client-side scripts rather than server-side scripts.
(2

(Total for question = 3 marks)

Hilmi Megat has a personal website.
Hilmi uses the website to tell people about the places that he has travelled to.
Hilmi uses a web-hosting company to host and support his website.
The company provides software tools to make both static and dynamic web pages.
Give <b>three</b> differences between static and dynamic web pages.
(3)
1
2
3
(Tatal for months 2 months)
(Total for question = 3 marks)
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Q6.
Q6. Tanvik makes and sells decorative candles.
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Q5.

Q7.

Sanjeev writes short stories for magazines. He does not have a permanent position and only gets paid when a story is published. Some stories are commissioned by a magazine's editor, others are submitted in the hope that they will be accepted and published.

Sanjeev researches material for his stories by using the internet. He also has an active social media presence for his work and personal life.

By using the internet, Sanjeev has generated both an active and a passive digital footprint.

Evaluate the advantages and disadvantages for Sanjeev of the digital footprints that he has generated.

You should consider:

- the impact on Sanjeev's working and personal life
- how Sanjeev should manage his footprints going forward.

(Total for question = 12 marks)

(6)

Q8.

Tanvik makes and sells decorative candles.

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

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.

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(Total for question = 6 m	arks)

Q9.

Hilmi Megat has a personal website.

Hilmi uses the website to tell people about the places that he has travelled to.

Hilmi's website only has static web pages. He is thinking of converting the website into a

dynamic one.	
Discuss the advantages of using dynamic web pages instead of static web pages.	
	(6

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)
(Total for question = 2 marks)
Q11.
A regional educational centre employs teachers to work with local schools. The teachers travel between the schools. They do not have offices in either the schools or the centre. Anika is one of the teachers.
The teachers still need to work with each other and with the administrative team at the centre.
(i) Describe <b>two</b> ways in which using IT can enable Anika to work effectively.
(i) Describe <b>two</b> ways in which using IT can enable Anika to work effectively. (4)
(4)
(4)
(4)

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(ii) Explain one way in which this working arrangement benefits the regional educational c	entre.
	(2)
(Total for question = 6 ma	ırks)
Q12.	
Julie is a website developer. She designs and builds websites to meet the requirements of clients.	
Some websites store customer data online.	
One risk to this data is malware.	
(i) Anti-malware may be used to reduce the risk of malware.	
State <b>two</b> activities that anti-malware performs that reduce the risk.	
	(2)
1	
2	
(ii) Explain <b>one</b> security risk, other than malware, to customer data stored online.	
	(2)

(Total for question = 4 mark	(S)
Q13.	
Alex is a university student, studying biology. He has joined an online community to help his studies.	
The online community stores personal data about its members online and must obey data protection laws.	
(i) Describe what is meant by <b>personal data</b> .	
	2)
(ii) Members can change some of their personal data when logged in to their account.	
Give <b>one</b> way in which a member could protect their account from unauthorised access.	
	1)
(iii) Explain <b>one</b> way that the people who run the online community could protect members' data from unauthorised access.	
	2)

(Total for question = 5 marks)
Q14.
Alex is a university student, studying biology. He has joined an online community to help his studies.
Many educational organisations such as schools and universities provide online learning environments that are used locally and remotely.
Alex's university biology course includes fieldwork.
One fieldwork task is to study plants in their natural habitat in an area 500 km from the university.
He needs to work on other parts of his course whilst he is away and meet deadlines.
His accommodation has internet access but there are no university staff or support services on site.
The university provides an online learning environment for all students.
Discuss how the online learning environment could help Alex.
(6)

(Total for question = 6 marks)
Q15.
Dylan has found his first job in an IT department. He is deciding whether to join an online community of other IT professionals.
Evaluate the advantages and disadvantages of Dylan joining an online community for IT professionals.
(Total for question = 12 marks)
Q16.
Alex is a university student, studying biology. He has joined an online community to help his studies.
Online communities have operating costs.
Give <b>two</b> ways in which an online community could be monetised.
(2)
1

2
(Total for question = 2 marks)
Q17.
Alex is a university student, studying biology. He has joined an online community to help his studies.
(i) Describe what is meant by an <b>online community</b> .
(2)
(ii) Explain one way that membership of the online community could benefit Alex.
(2)
(Total for question = 4 marks)

Q18.

Gathii has a blog. He writes articles about wildlife photography for his blog. He has a large following and thinks he can make money from his blog.

	(2)
1	
2	
(Total for question = 2 ma	arks)
Q19.	
Gathii has a blog. He writes articles about wildlife photography for his blog. He has a large following and thinks he can make money from his blog.	
Gathii is a member of an international photography forum.	
One benefit of being a member of the forum is that Gathii can make posts about his blog.	
Describe <b>two other</b> benefits to Gathii of being a member of the forum.	
	(4)
1	
2	

State **two** ways in which Gathii could monetise his blog.

(Total for question = 4 marks)

Q20.

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.

(Total for question = 12 marks)