

1. Nov/2021/Paper_11/No.9

Video-conferencing is one use of the internet.

(a) Describe what is meant by the internet.

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(b) Explain why members of the general public use video-conferencing more now than when it was first introduced.

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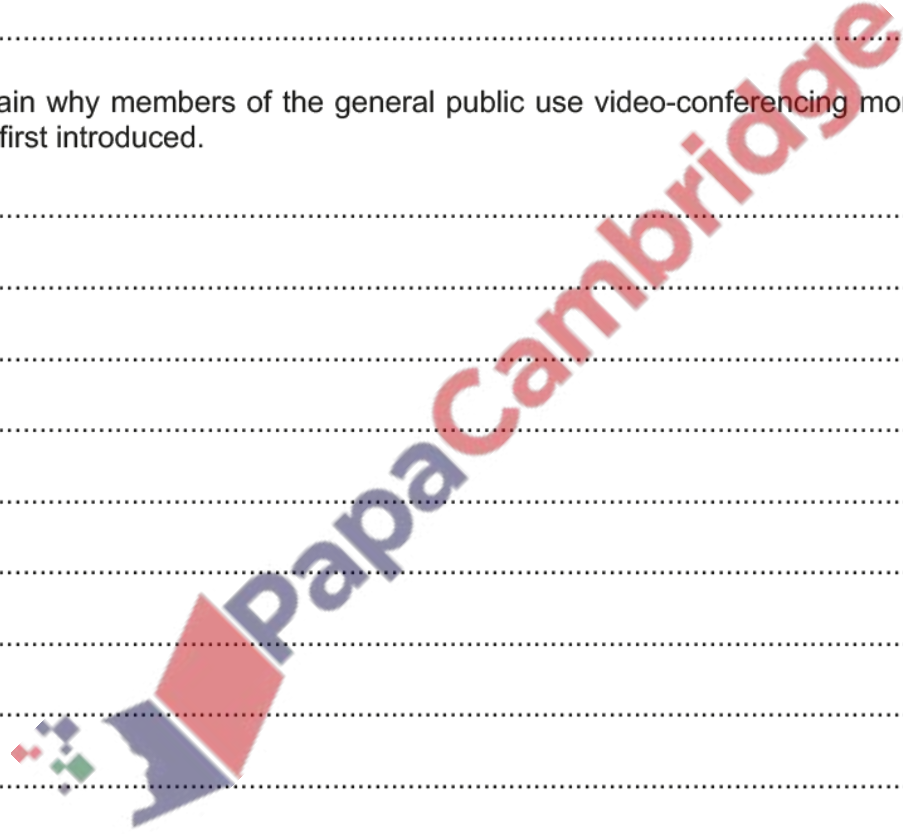
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Video-conferencing is one service provided by the internet.

(a) Describe, in detail, **five** other services provided by the internet. Each service must be distinctly different.

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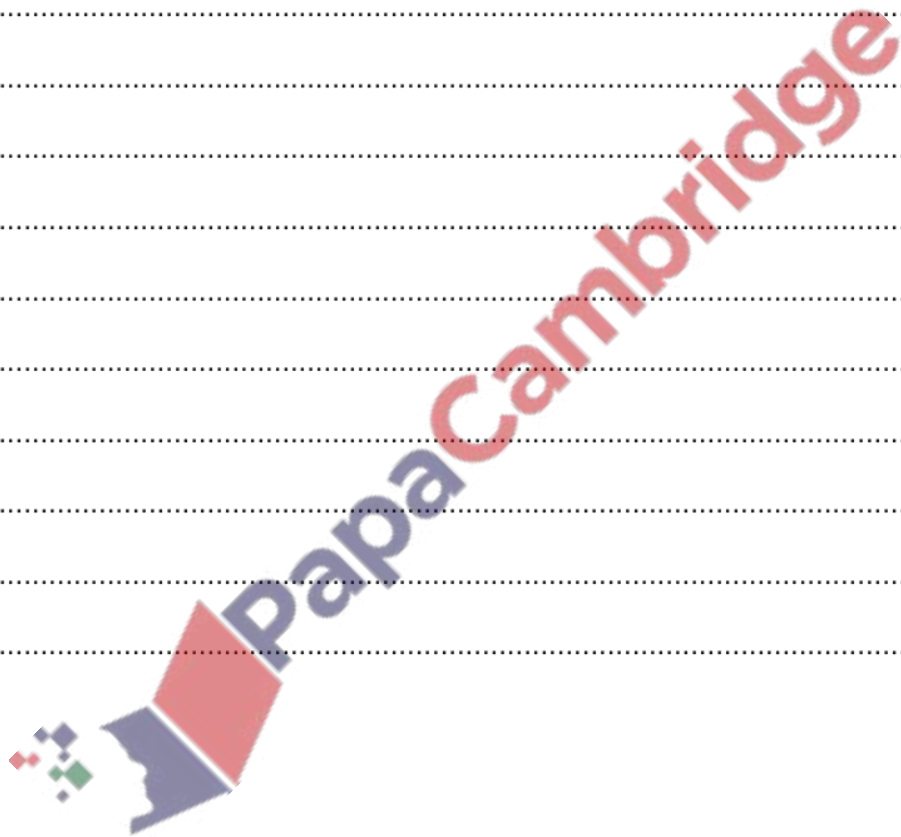
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(b) Describe how data is transmitted in a video-conference.

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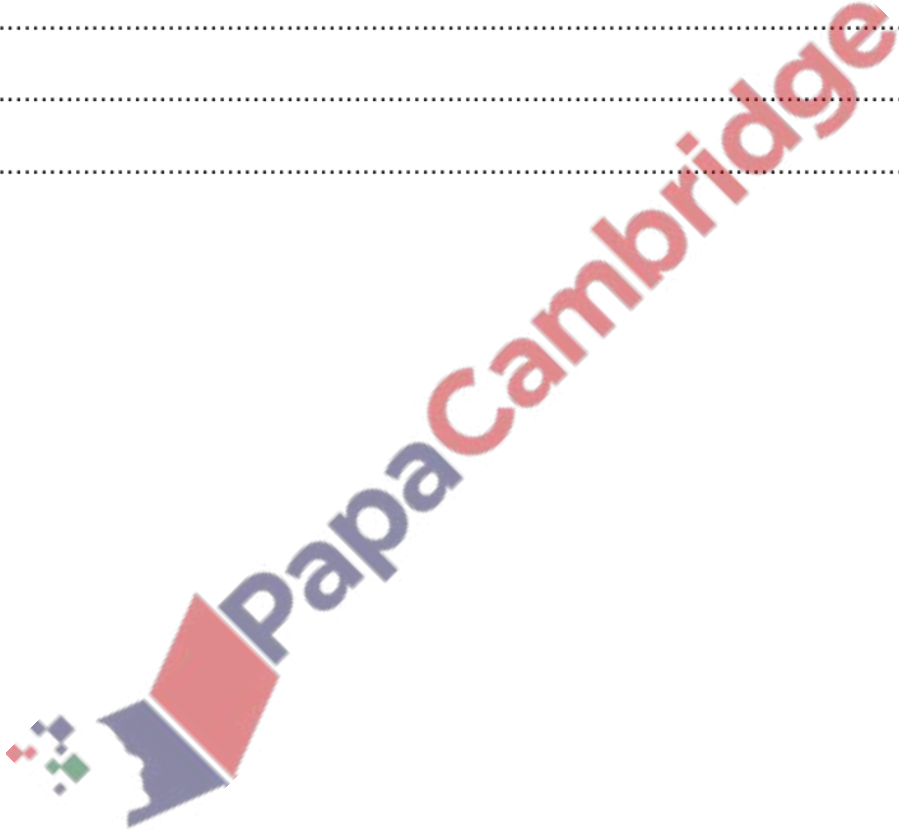
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4. Nov/2021/Paper_13/No.5

Many companies have an intranet for use by their workers.

Describe what a company intranet is.

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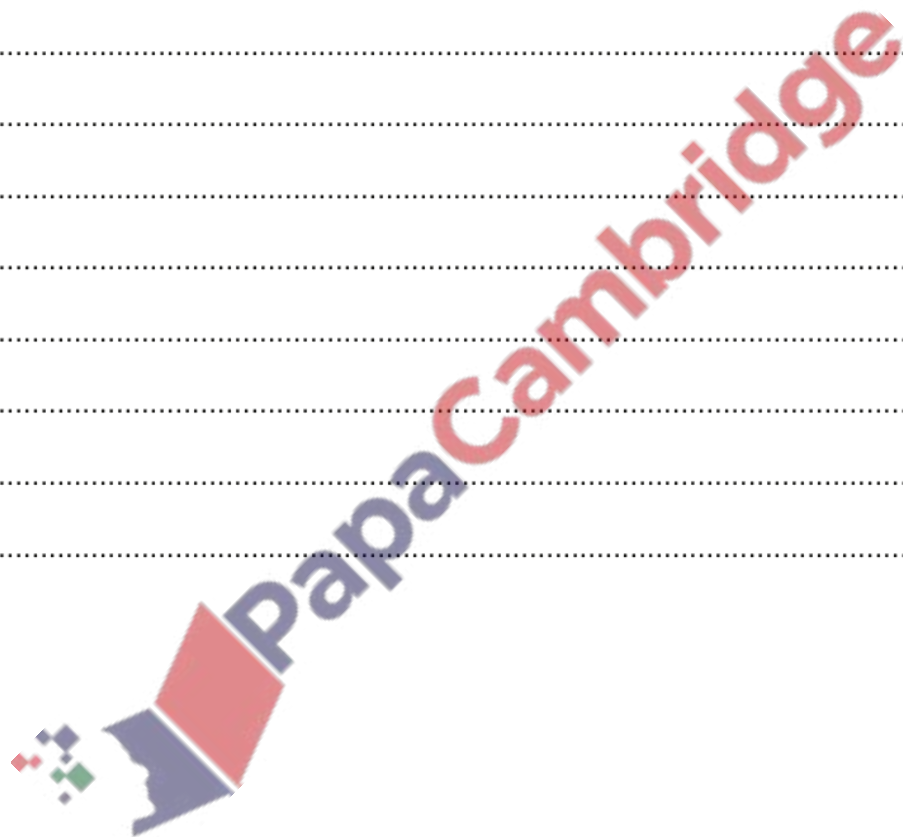
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5. Mar/2021/Paper_12/No.7

Explain the relationship between the World Wide Web and the internet.

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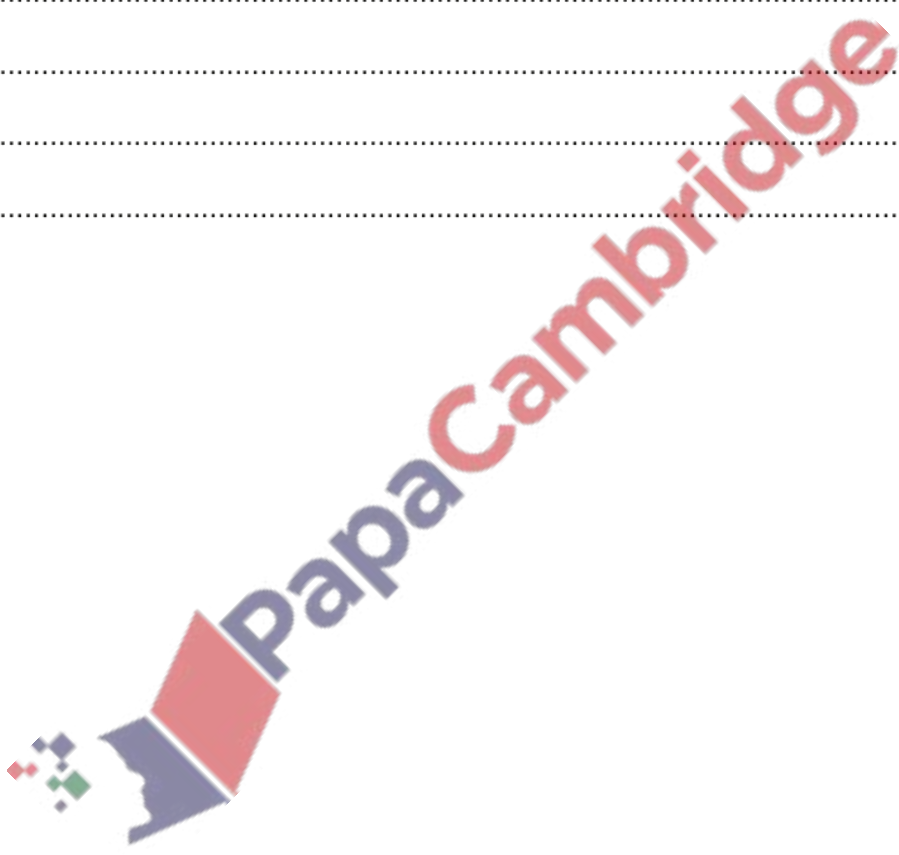
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7. June/2021/Paper_11/No.5

A school has classrooms where students can use computers to access the school network. There are other classrooms where the computers do not have access to the school network.

Compare and contrast the use of computers in both types of classroom.

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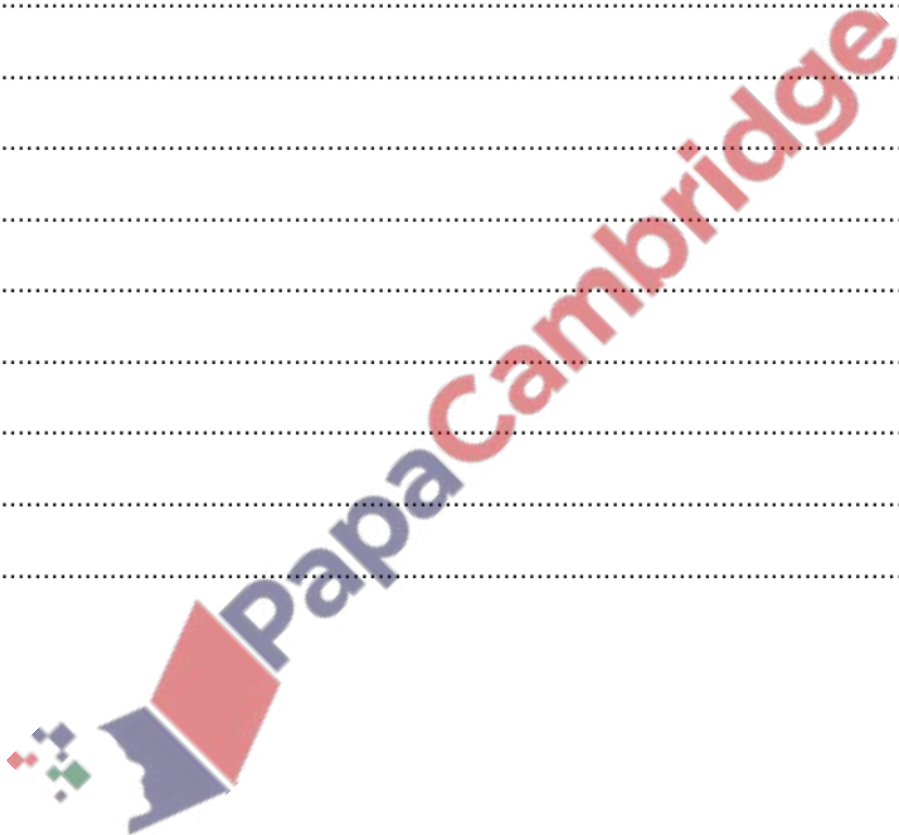
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8. June/2021/Paper_11/No.6

The World Wide Web is a service provided by the internet.

Describe, without referring to how it is accessed, what is meant by the World Wide Web.

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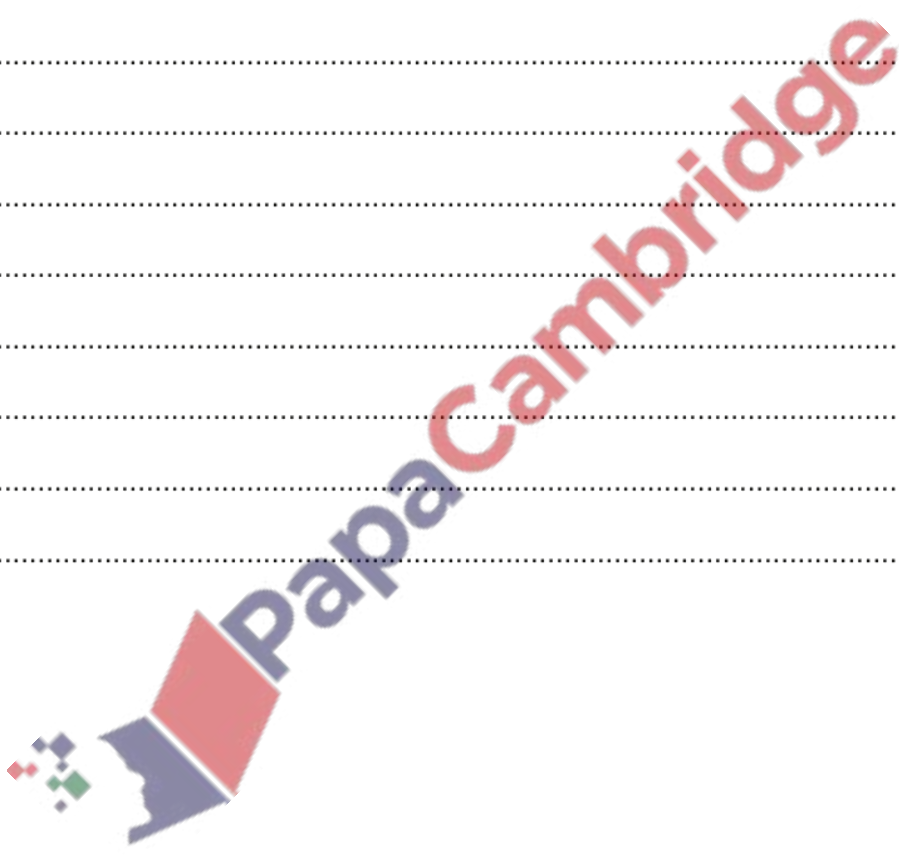
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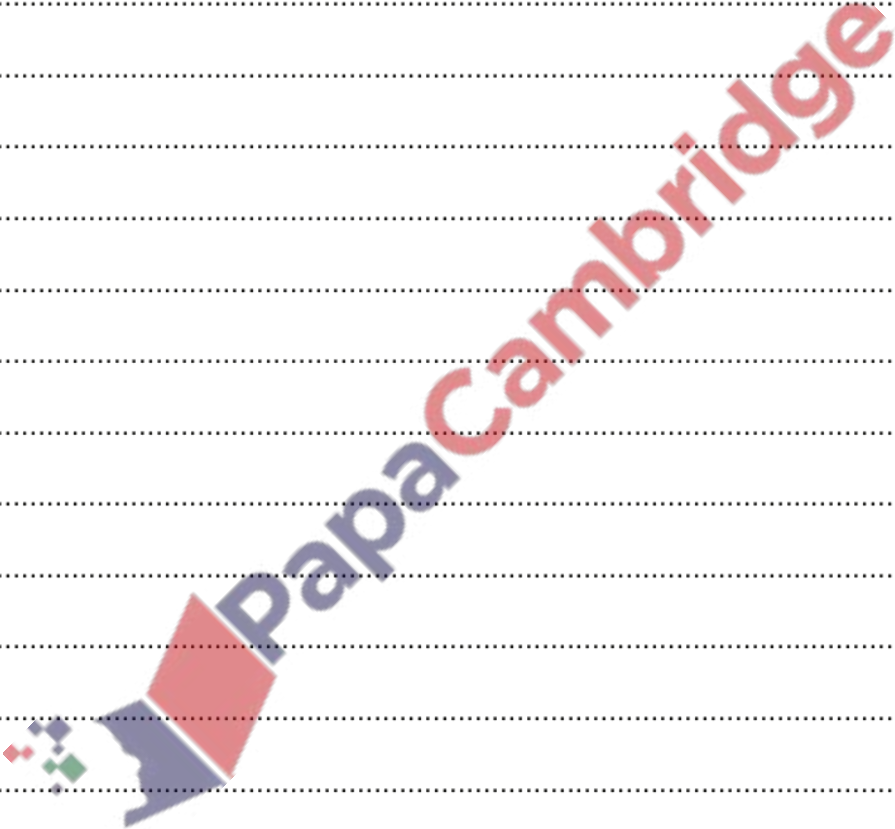


9. June/2021/Paper_11/No.7

The manager of an IT department has been asked to set up a video-conference. At the moment she only has a router, a networked computer and a large screen.

Describe how she would set up this video-conference before joining in.

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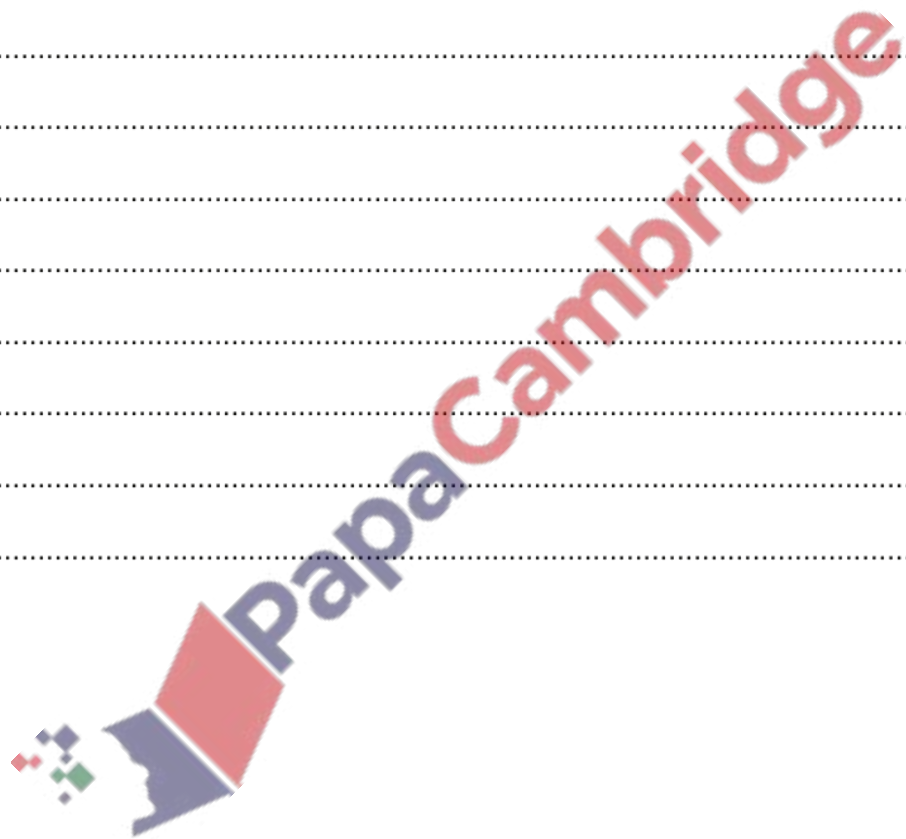
10. June/2021/Paper_12/No.6

Narinder works as a computer operator for a company which has its own LAN.

(a) Describe the characteristics of a LAN, including the technologies used.

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(b) The company Narinder works for is in Ghana. Her parents live in Tanzania, a long way from Ghana.

She writes a blog and uses instant messaging to stay in touch with her parents.

Describe **four** other methods by which Narinder could use the internet to communicate with her parents, giving a different drawback of each method.

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Drawback

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Method 2

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Drawback

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Method 3

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Drawback

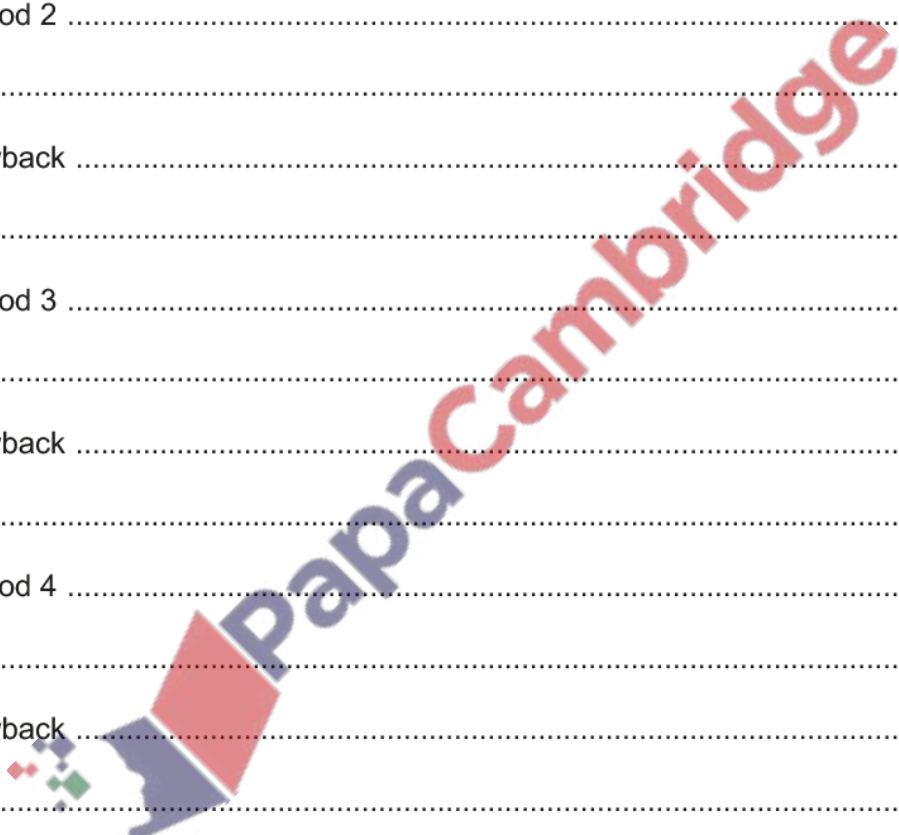
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Method 4

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Drawback

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A company has to decide between using a peer-to-peer or a client-server computer network.

(a) Describe the differences between client-server and peer-to-peer computer networks.

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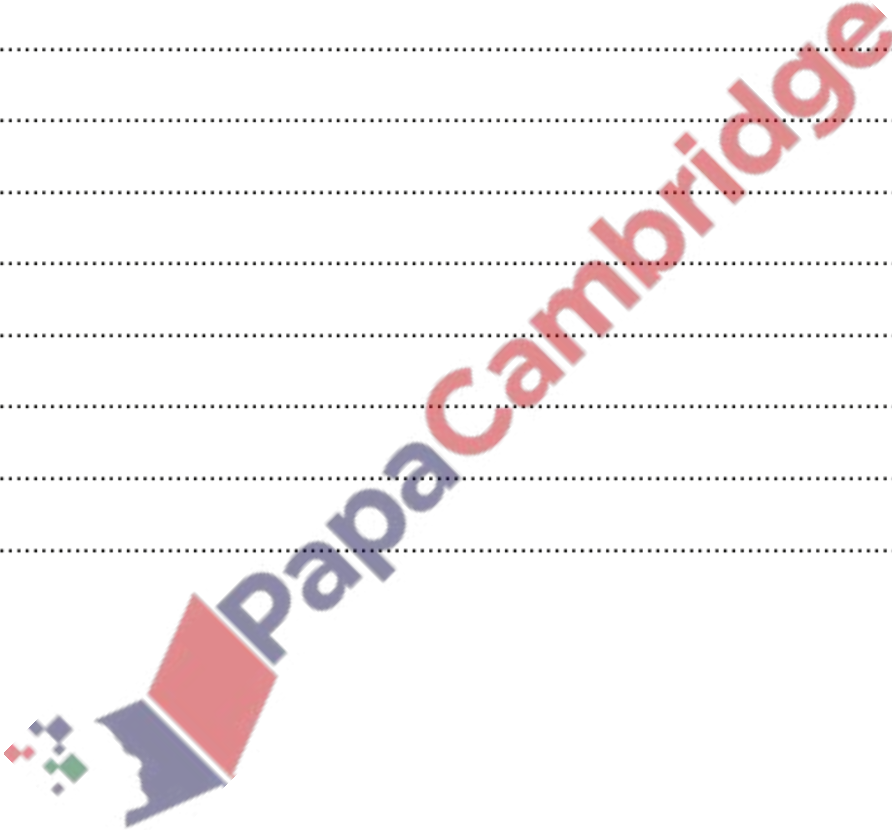
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The company will use its network to access the internet.

(b) Describe **three** benefits to companies of using the internet to conduct business.

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(c) Describe **four** drawbacks to companies of using the internet to conduct business.

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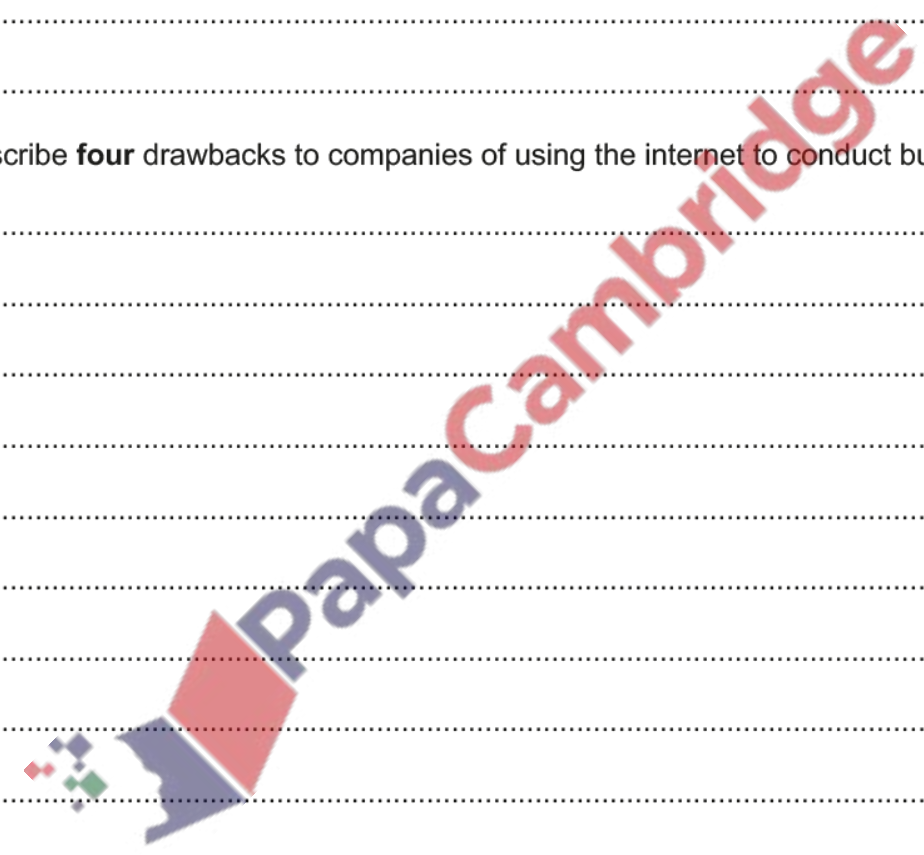
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Explain what is meant by the following technologies when used in video conferencing:

(a) ISDN

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(b) SDSL

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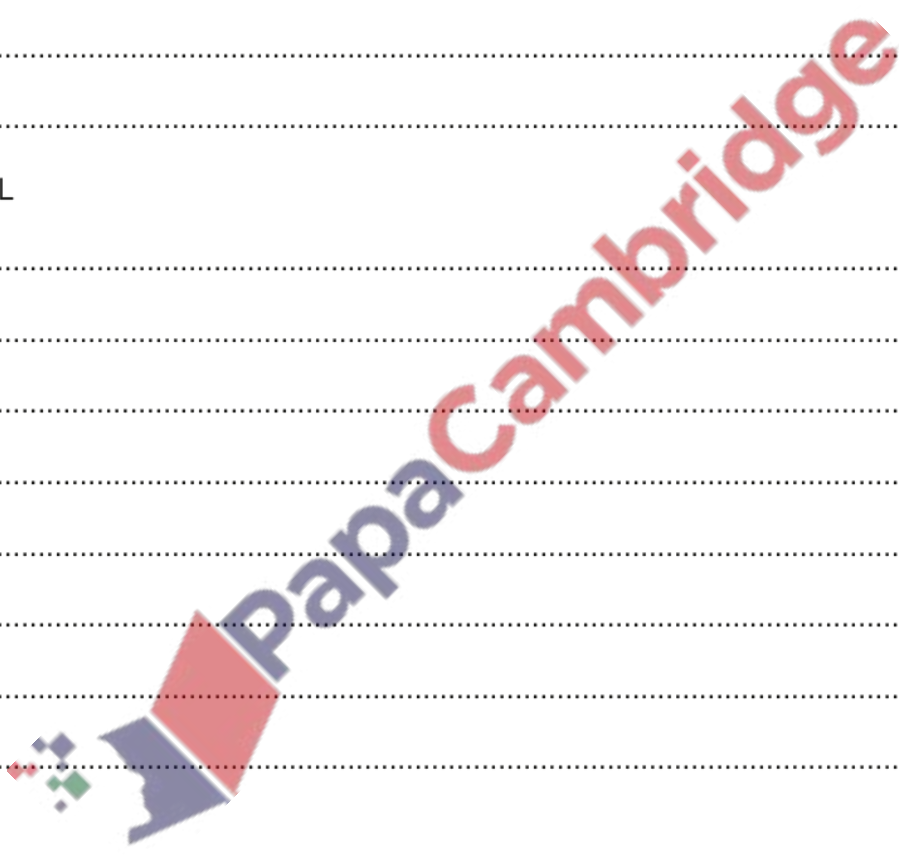
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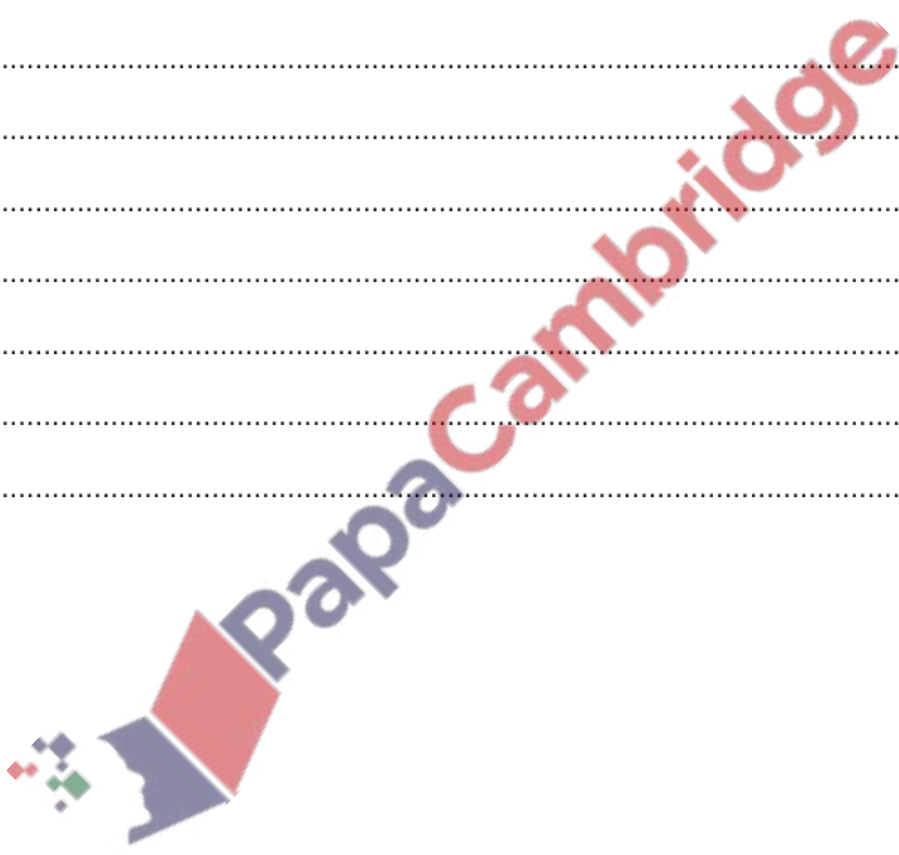


14. Nov/2020/Paper_11/No.9

Describe, in detail, the characteristics of a WAN and a LAN.

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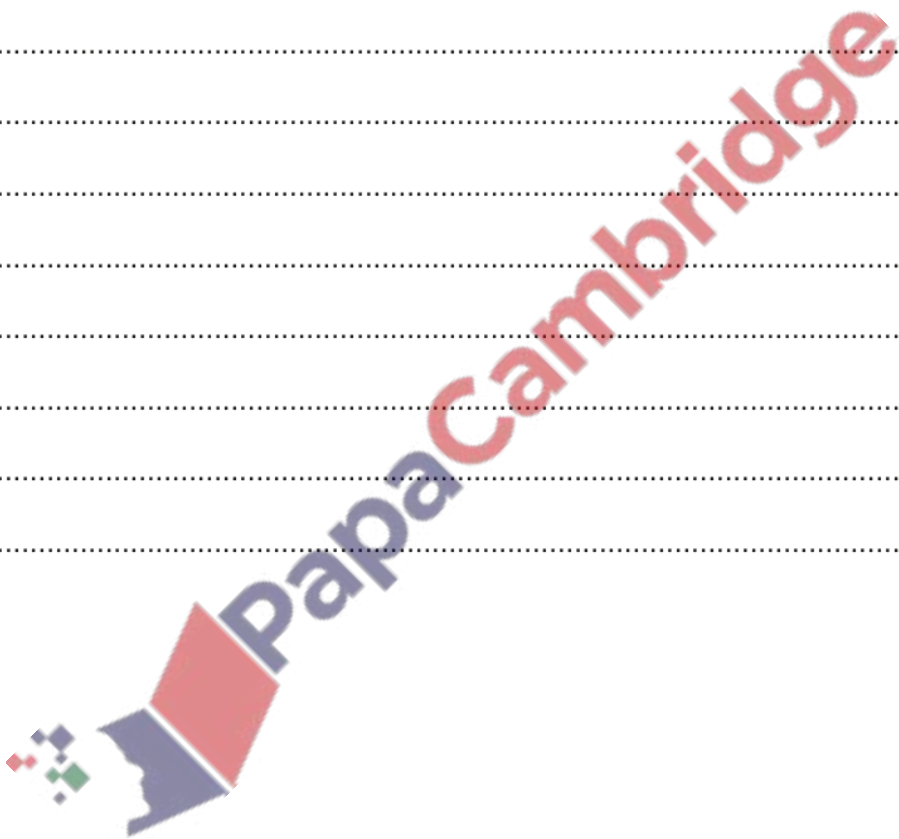


Josefine is in charge of a team of engineers who often work away from the office where she is based. Every week, she keeps in contact with the engineers by means of a web-conference.

Describe how Josefine sets up her web-conference each week.

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21. June/2020/Paper_11/No.1

For each of the **two** tables below, tick the most accurate statement referring to the use of the internet for communication.

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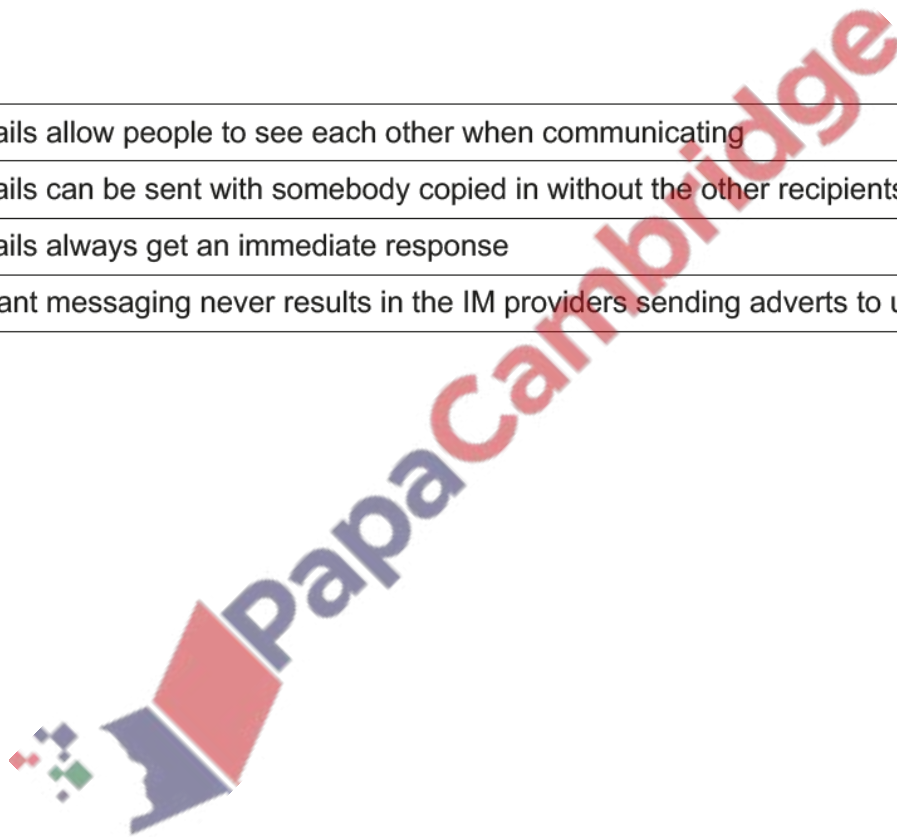
	✓
Instant messaging is a service similar to SMS provided by the internet	
Social networking sites allow messages to be posted, but not pictures or videos	
A blog allows anybody who reads it to also be able to edit it	
Chat rooms only allow one person to communicate with one other person	

[1]

(b)

	✓
Emails allow people to see each other when communicating	
Emails can be sent with somebody copied in without the other recipients knowing	
Emails always get an immediate response	
Instant messaging never results in the IM providers sending adverts to users	

[1]



(c) Video-conferencing is another way of using the internet for communication.

Describe how a manager in one branch of a company would set up a video-conference to communicate with managers in other branches.

You can assume that the hardware and software required has already been purchased. In your description you will need to identify what each manager would need to do.

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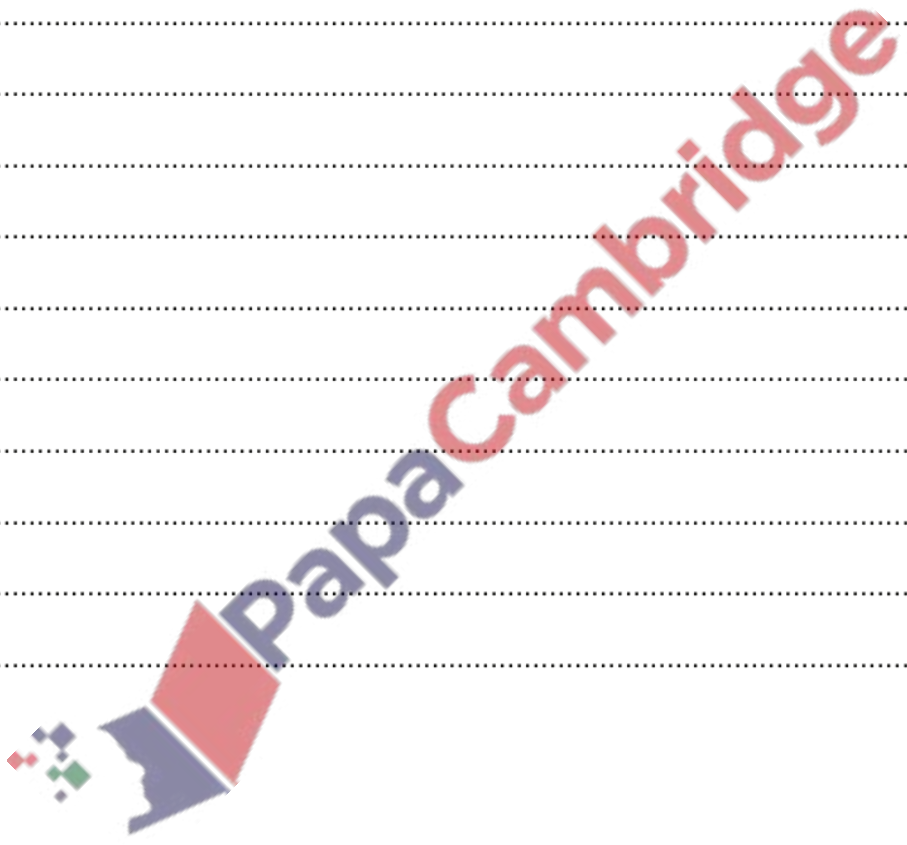
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[6]

22. June/2020/Paper_13/No.5

Many schools in the more remote areas of Kenya want to install video-conferencing equipment. This is so their students can be in touch with students from other Kenyan schools.

- (a) Discuss the impact of video-conferencing on the more remote schools and their students, compared with having to visit the other schools to stay in touch.

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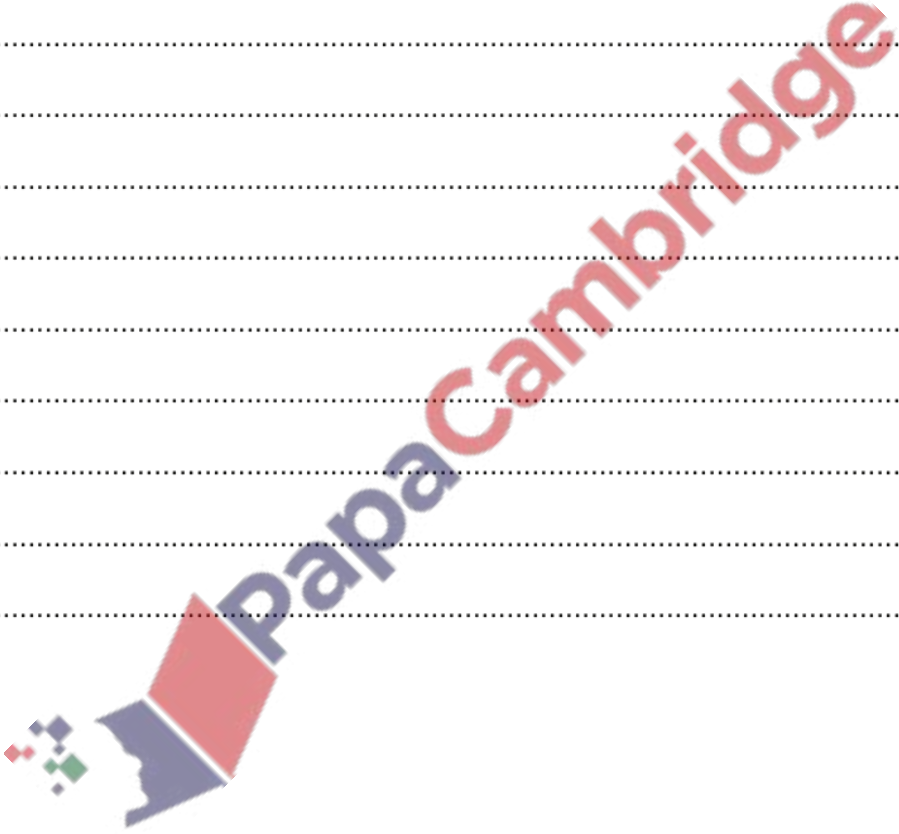
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Several technologies can be used to deliver video-conferencing.

Explain what is meant by the following terms.

(b) ADSL

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(c) IEEE 802.11

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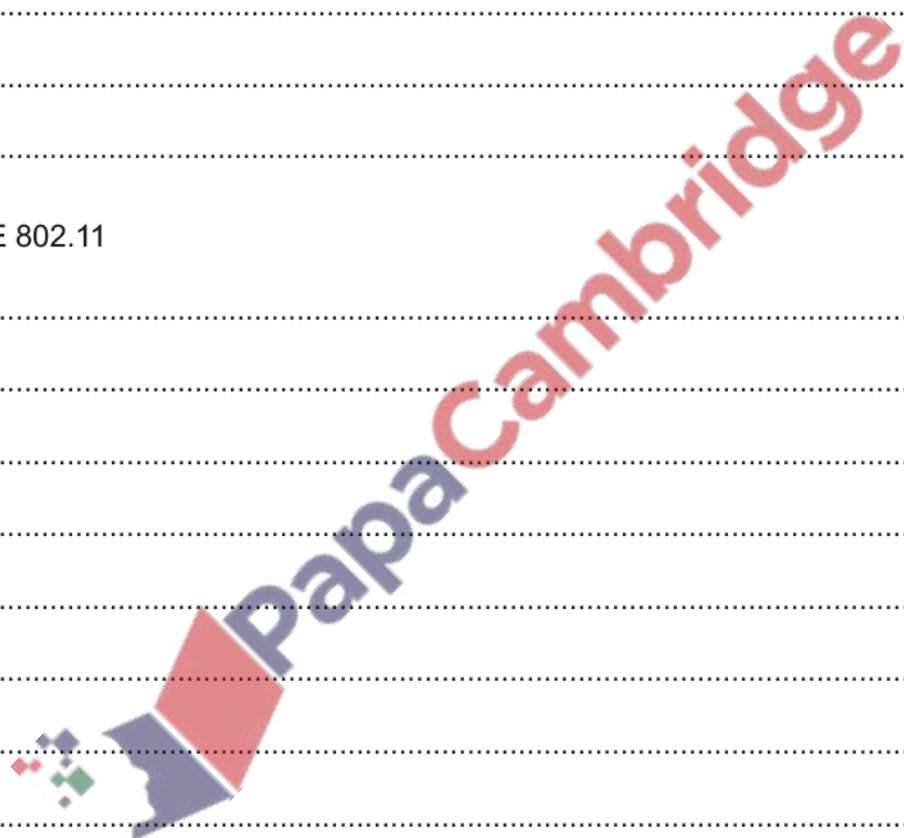
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24. June/2020/Paper_13/No.1

(a) Tick the most accurate statement referring to the internet.

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The internet is a collection of web pages which can be accessed using a web browser	
The internet is the global system of interconnected computer networks	
The internet is only accessed using a switch	
The internet is an internal restricted access network	

[1]

(b) Tick the most accurate statement referring to the services the internet provides.

	✓
Word processing is a service only accessed using the internet	
Spreadsheet software is a service only accessed using the internet	
The World Wide Web is a service only accessed using the internet	
Email is a service only accessed using the internet	

[1]

(c) The internet is a type of WAN. Describe what is meant by a WAN.

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25. June/2020/Paper_13/No.8

The North Indonesian Motor Company makes cars in the city of Jakarta. It has a large factory producing the components, for the cars in the city of Surabaya. Dian is the director of communications in Jakarta. He has been asked by the other directors to set up a video-conference so that they can communicate with the directors based at Surabaya.

The directors in both cities currently use computers in a LAN to carry out their work.

- (a) Give reasons why the current arrangement of computers would not enable Dian to set up a video-conference and explain how he would overcome this problem.

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- (b) Describe how codecs would be used in the transmission of data within a video-conference.

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