

2. Nov/2021/Paper_11/No.8

An organisation uses the internet and an intranet.

(a) Explain how the purpose of the internet differs from the purpose of an intranet.

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Employees in the organisation are allowed to access the intranet using their smartphones.

The employees are required to secure their smartphones using either facial recognition, passwords or voice recognition.

(b) Tick (✓) whether the following statements refer to **facial recognition**, **password** or **voice recognition**.

	Facial recognition (✓)	Password (✓)	Voice recognition (✓)
This method cannot access the smartphone unintentionally			
The accuracy of this method can be affected by noise			
This method requires the use of the smartphone's camera			
This method could be compromised by shoulder surfing			

[4]

8. Mar/2021/Paper_12/No.10

Computer data can be stored on physical storage devices. Data can also be stored in the 'cloud'.

- (a) Explain what is meant by the cloud, giving **two** advantages of storing data in the cloud compared with physical storage devices.

Explanation.....

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Advantage 1.....

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Advantage 2.....

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[4]

- (b) Tick (✓) whether the following storage devices are examples of optical, magnetic or solid state storage.

	optical (✓)	magnetic (✓)	solid state (✓)
Flash drive			
Hard disk drive			
Blu-ray disc drive			
SSD			

[4]

9. June/2021/Paper_11/No.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.

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[2]

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

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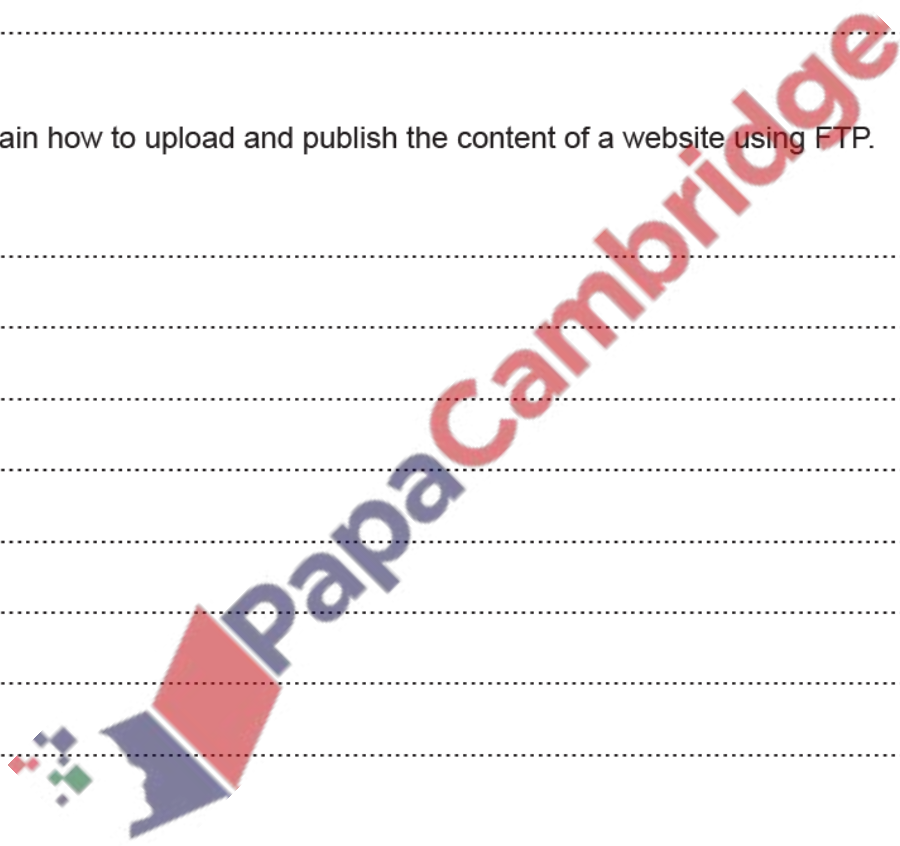
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[4]



(c) Before the website is published it needs to be tested.

Write down **three** different features of the web pages that could be tested. For each feature, describe the method you would use to carry out the test.

Feature 1.....

Method.....

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Feature 2.....

Method.....

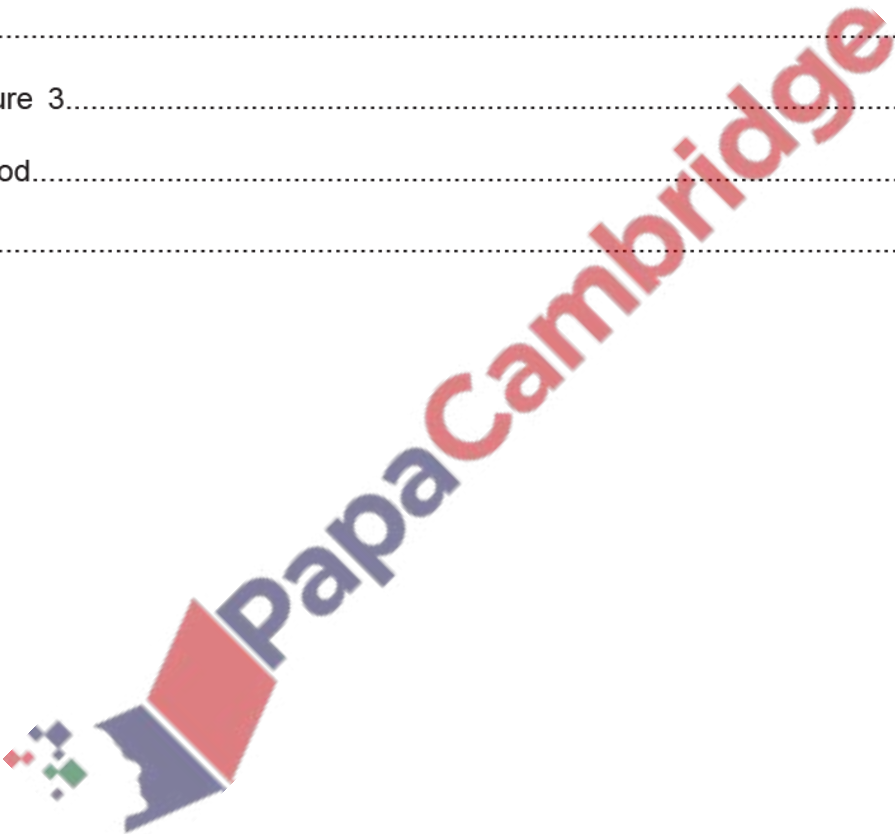
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Feature 3.....

Method.....

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[6]



(b) Social networking is used to communicate with friends; this is one use of the internet.

Describe **four** other uses of the internet.

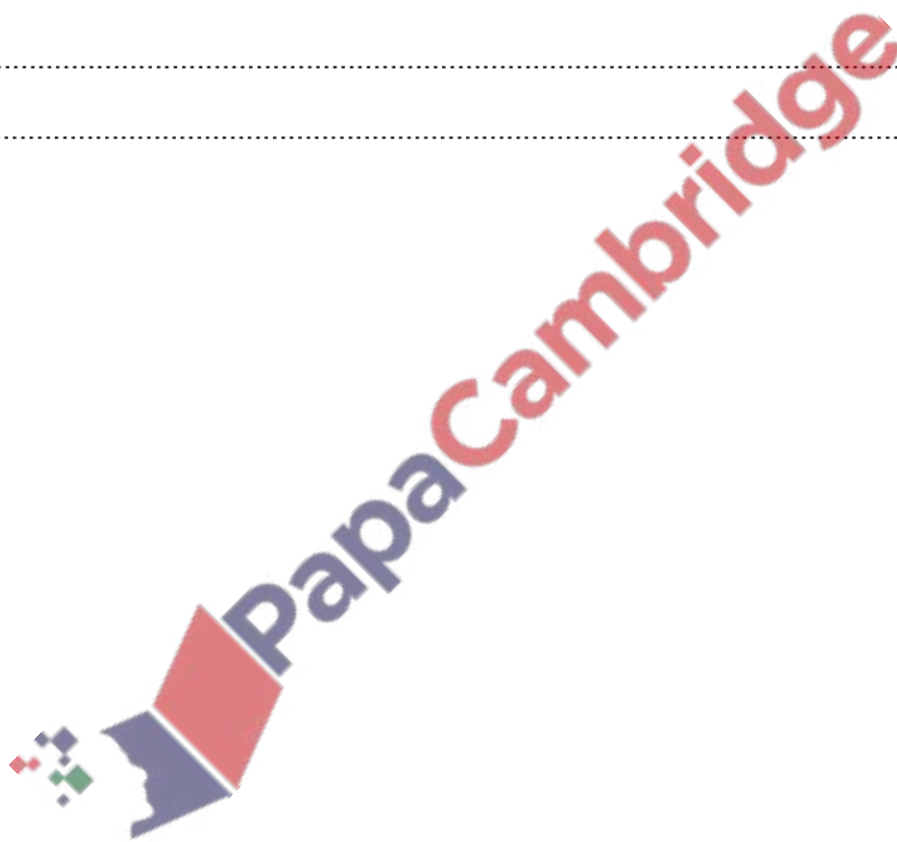
1.....
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2.....
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3.....
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4.....
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[4]



12. June/2021/Paper_13/No.5

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

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|---------------|--------------|-------------|------|
| 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

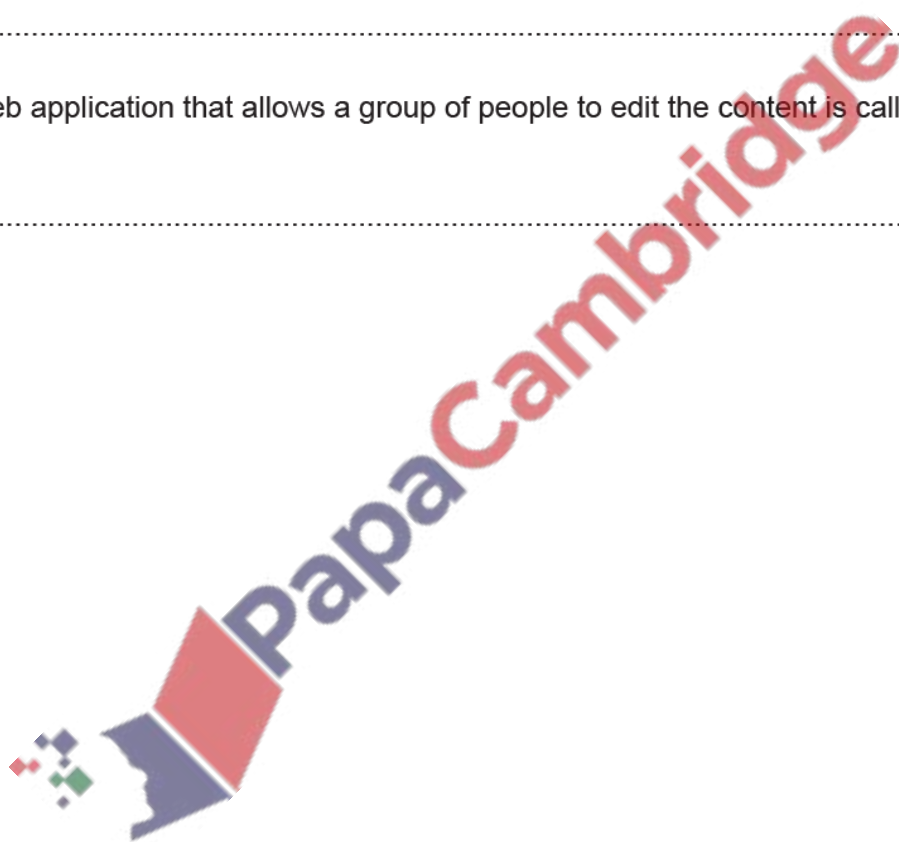
..... [1]

(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]



13. June/2021/Paper_13/No.7

A family has purchased a wireless router for use in their home to allow their devices to be connected via WiFi to form a wireless local area network (WLAN).

- (a) When the family purchased the wireless router they were advised to change the default password.

Explain why they should change the default password.

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[2]

- (b) Describe the process of using WiFi to connect to a WLAN.

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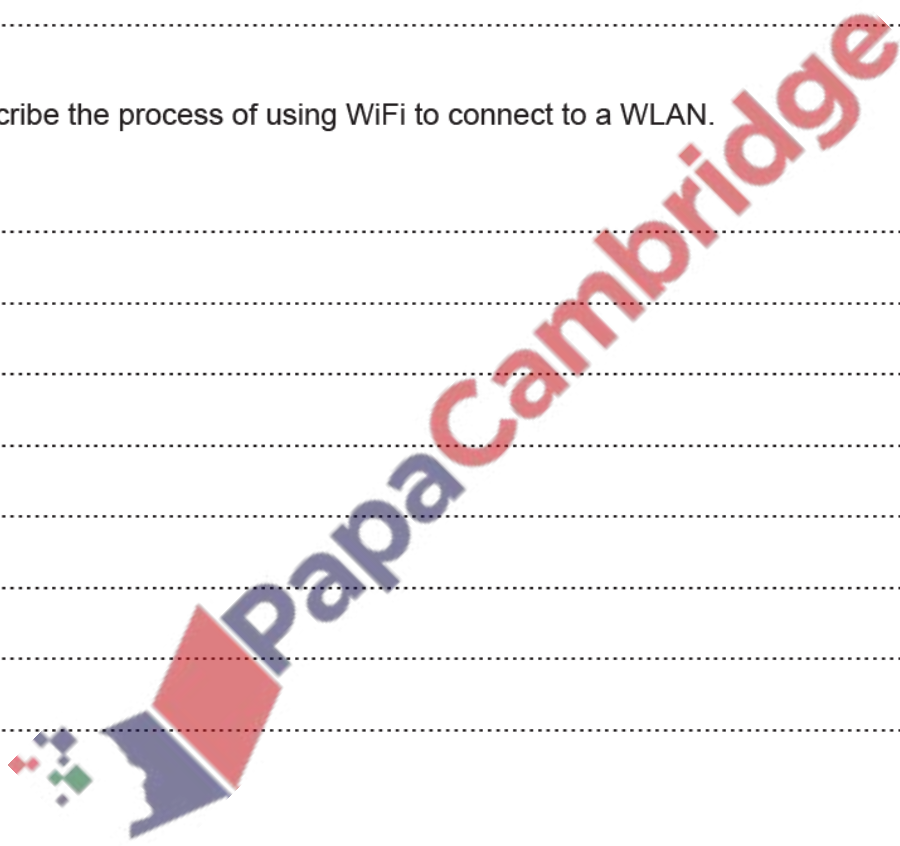
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[4]



14. Nov/2020/Paper_11/No.3

A variety of network devices can be used to connect computers together.

(a) Complete the following sentences using the most appropriate network device from the list. Your answers must be different in each case.

an access point

a bridge

a hub

a modem

a network interface card

a switch

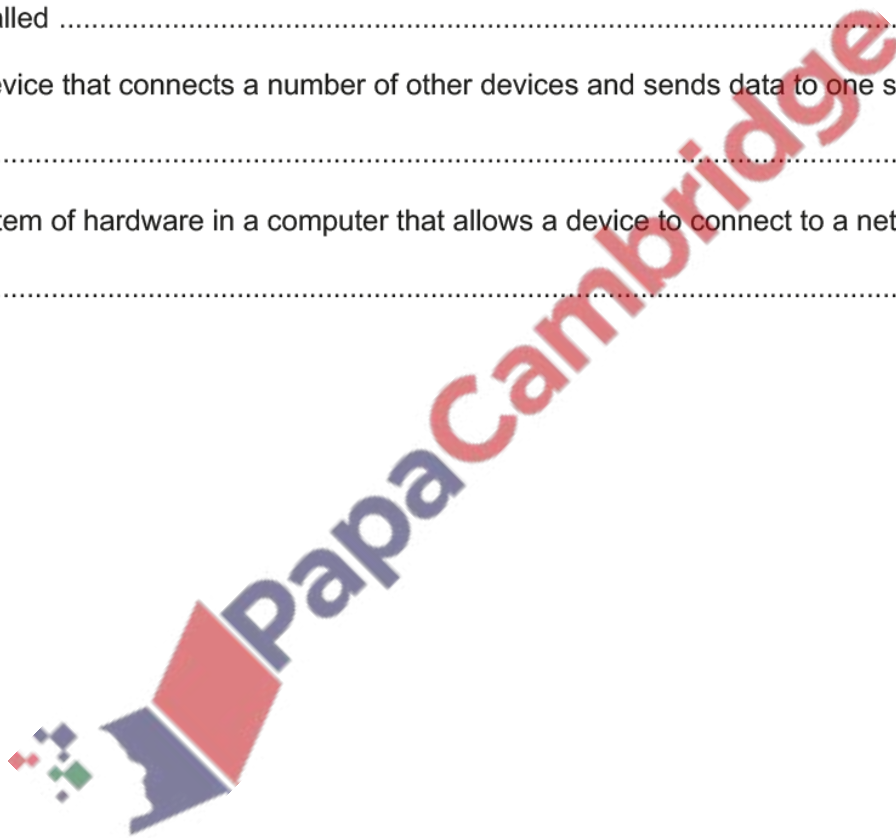
A device used to connect a Local Area Network (LAN) to another LAN that uses the same protocol is called

A device used to convert a computer's digital signal to an analogue signal for communication is called

A device that connects a number of other devices and sends data to one specific device only is

An item of hardware in a computer that allows a device to connect to a network is

[4]



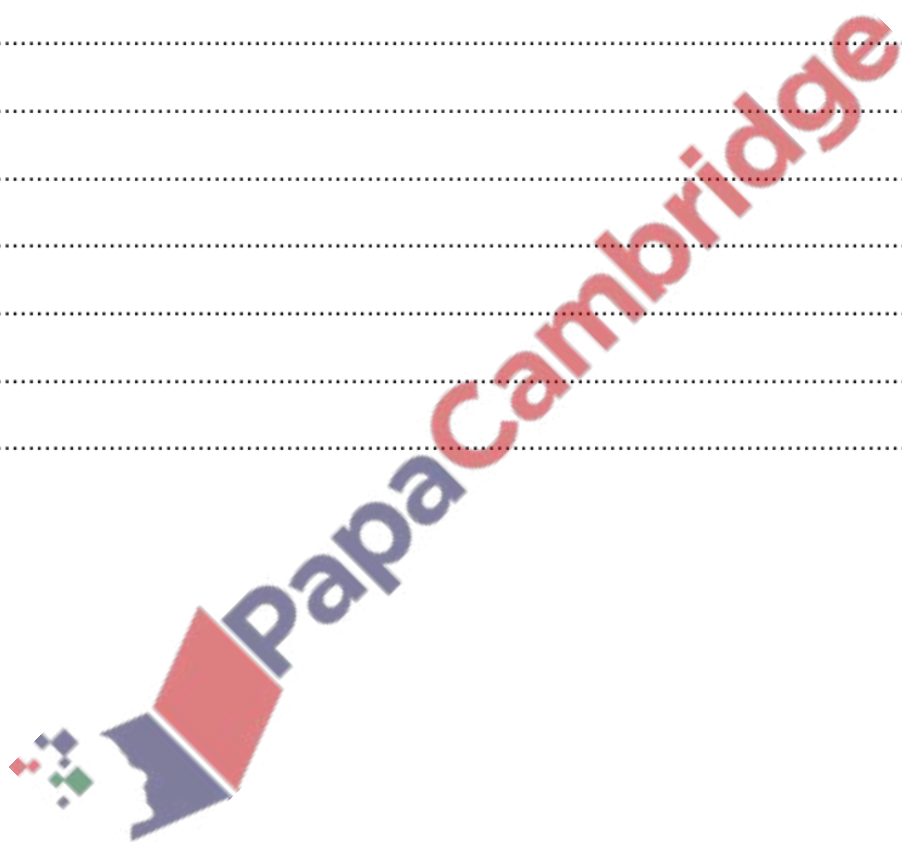
A router is used to connect a LAN to the internet. A message is sent from the router to another router.

(b) Give the name of the part of the router where the IP addresses are stored.

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..... [1]

(c) Explain how the data from a router is routed.

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..... [5]



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

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

Protocol 1

Use

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Protocol 2

Use

.....

Protocol 3

Use

.....

[6]

16. Mar/2020/Paper_12/No.2

Tick (✓) whether the following statements refer to the **internet** or an **intranet**.

	internet (✓)	intranet (✓)
This type of network is public		
This is the more secure type of network		
This type of network is global		
This type of network is more likely to be monitored		

[2]

17. June/2020/Paper_11/No.6

Tick (✓) which of the following statements apply to LANs, which apply to WANs and which apply to WLANs.

	LAN (✓)	WAN (✓)	WLAN (✓)
The internet is an example of this type of network			
This type of network is found in a building but is connected without cables			
This type of network is used to transmit data between Europe and North America			
This type of network is found in a building but is connected with cables			

[4]

18. June/2020/Paper_12/No.3

Complete the following sentences using the most appropriate network term.

A communication method that wirelessly connects a mobile phone to a car, to allow hands-free use of the mobile phone is

A network device that allows a stand-alone computer, using a dial-up analogue connection, to connect to an ISP is a

A network device that allows a LAN to connect to the internet is a

A wireless communication method used in WLAN is

[4]

21. June/2020/Paper_13/No.3

A computer system is connected to a LAN and a WAN.

(a) Explain what a LAN is.

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[2]

(b) Explain what a WAN is.

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[2]

