

1. **June/2023/Paper_0417/11/No.3**

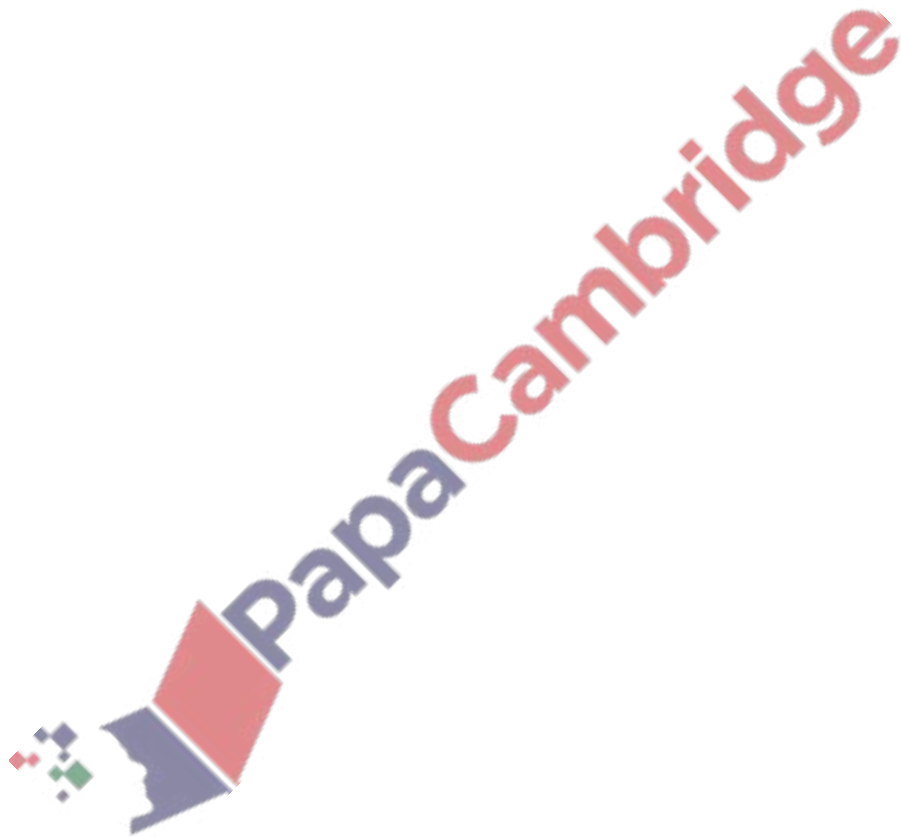
A headteacher is setting up a newsletter to send to parents of pupils at a school. She has some photographs saved on storage devices that she needs to place in the newsletter.

State **two** communication methods which the headteacher could use to upload the photographs onto the school network.

1

2

[2]



2. June/2023/Paper_0417/11/No.6

A student has set up a password for his laptop computer. The password he has chosen is Px2zY!Cg3?bd

(a) Discuss the benefits and drawbacks of using this password.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[6]

(b) The student could have protected his laptop computer by using two-factor authentication. This could have combined his password with a biometric method.

State **two** examples of biometric methods he could use.

1

2

[2]

3. June/2023/Paper_0417/12/No.8

A teacher provides revision lessons during the holidays. The teacher plans to use web-conferencing for the lessons.

(a) Explain what is meant by web-conferencing.

.....

.....

.....

.....

.....

.....

.....

[3]

(b) Evaluate the use of web-conferencing in this scenario.

.....

.....

.....

.....

.....

.....

.....

.....

.....

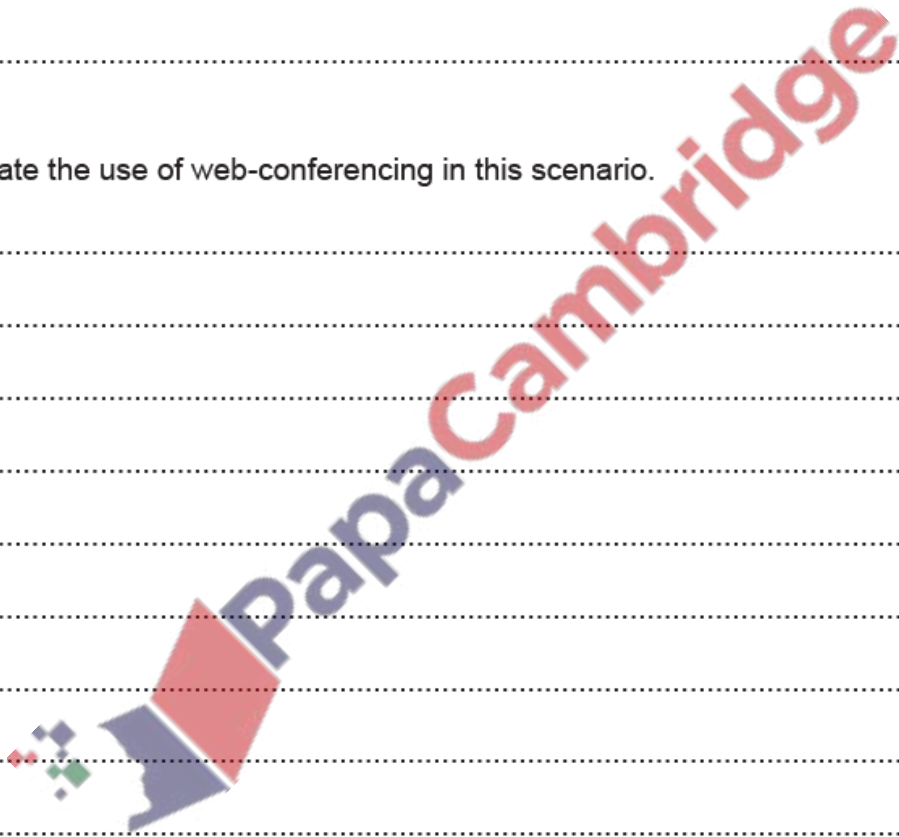
.....

.....

.....

.....

[6]



4. June/2023/Paper_0417/13/No.2(a)

Identify the most appropriate hardware from the descriptions given.

(a) An internal hardware component that connects a computer to a Local Area Network.

..... [1]

5. June/2023/Paper_0417/13/No.4

A company uses an intranet. They are considering using an extranet.

Compare an intranet with an extranet. Your answer must include similarities and differences.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[6]

The manager of an organisation is planning a meeting of its directors. The manager plans to use audio-conferencing for the meeting.

(a) Explain what is meant by audio-conferencing.

.....
.....
.....
.....
.....
.....
.....

[3]

(b) The organisation could use video-conferencing for the meeting.

Describe **three** advantages of using audio-conferencing rather than video-conferencing in this scenario.

.....
.....
.....
.....
.....
.....
.....

[3]

(c) Identify the hardware and software required to join the audio-conference.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[4]

7. Nov/2023/Paper_0417/11/No.5

A bridge and a router are examples of networking devices.

(a) Explain the differences between a bridge and a router.

.....

.....

.....

.....

[2]

(b) IP addresses are used in computer networks.

Explain what is meant by an IP address.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[4]

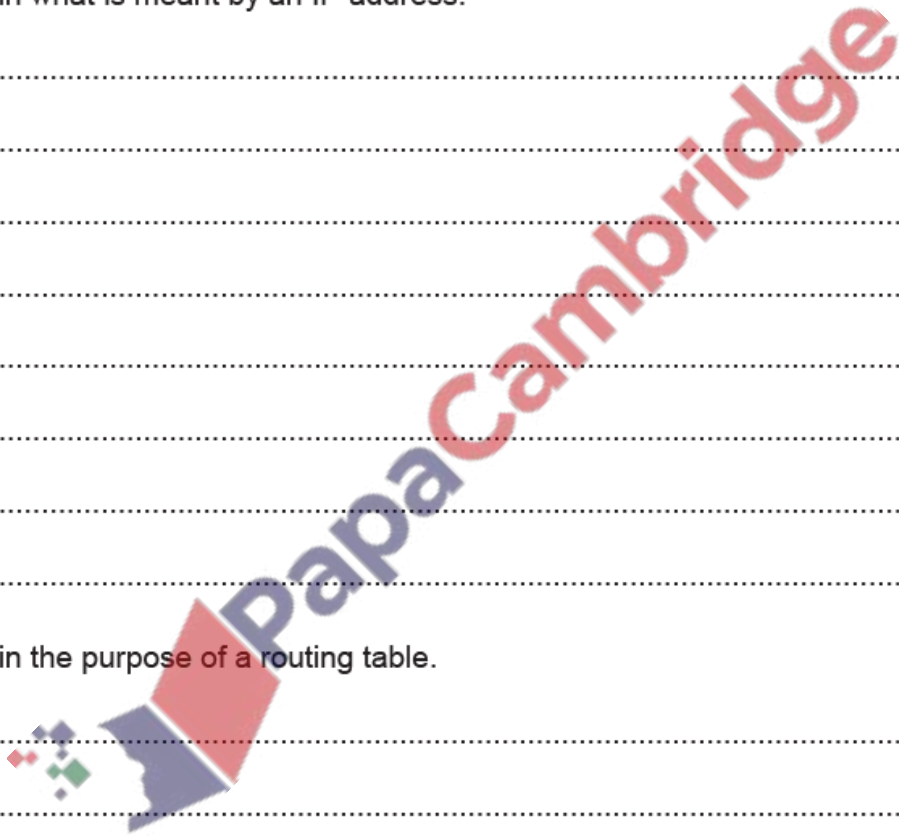
(c) Explain the purpose of a routing table.

.....

.....

.....

[2]



8. Nov/2023/Paper_0417/12/No.3

Identify **three** different network communication devices and describe what each one does.

Device 1

Description

.....

Device 2

Description

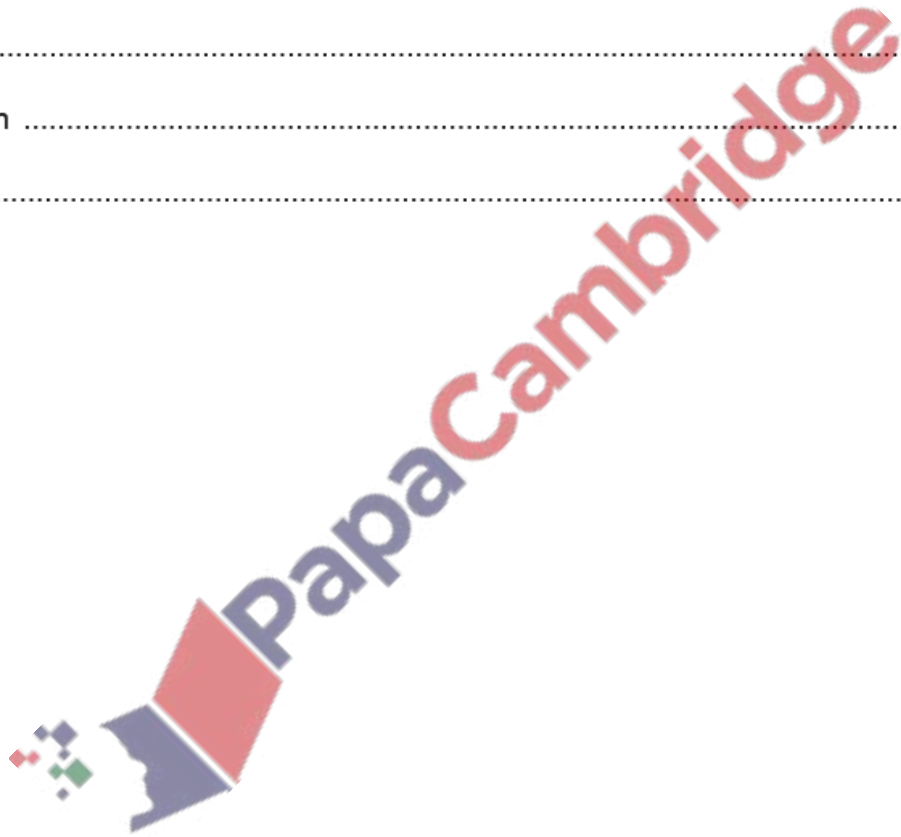
.....

Device 3

Description

.....

[6]



9. Nov/2023/Paper_0417/12/No.8(a)

State the most appropriate storage medium from its description.

(a) A storage medium that stores data on the internet.

..... [1]

10. Nov/2023/Paper_0417/12/No.10(d)

The manager of the Tawara Hotel has decided to computerise the hotel's room booking system. The new booking system will allow customers to book rooms online using an app on their smartphones.

The manager has employed a systems analyst who will carry out research into the current system by examining existing documentation and completed questionnaires from staff.

(d) The hotel uses both a WAN and a WLAN.

Describe the differences between a WAN and a WLAN.

.....
.....
.....
.....
.....
.....
.....
.....
.....
..... [4]

11. Nov/2023/Paper_0417/13/No.5

A student needs to purchase a new computer for use on his university course.

The laptop computers available to him are one that contains a solid-state drive (SSD) or one that only stores data on the internet, using the cloud.

Evaluate these two types of laptop computer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

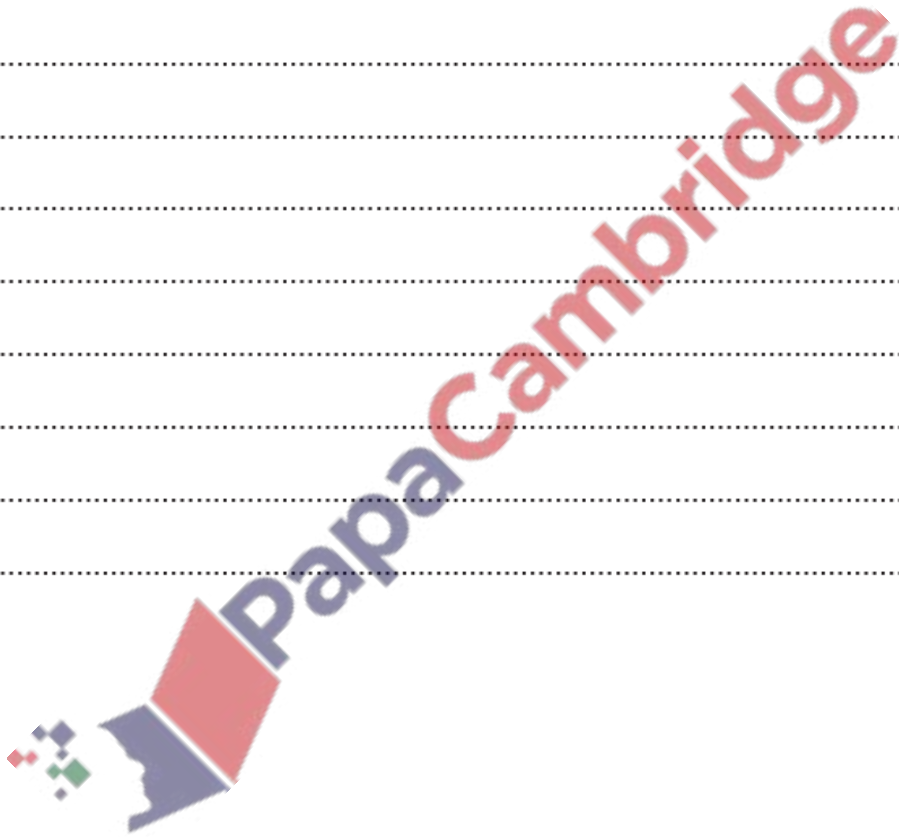
.....

.....

.....

.....

[6]



12. March/2024/Paper_0417/12/No.12

Describe how data is stored and managed when using cloud computing.

.....

.....

.....

.....

.....

.....

.....

.....

.....

[4]

