# Study questions 4

1. **What are the 7 layers (in order) of the OSI model?**

Away - Application

Pizza - Presentation

Sausage - Session

Throw - Transport

Not - Network

Do - Data Link

Please - Physical

1. **What do the following terms stand for?**

**IaaS**: Infrastructure as a Service

**PaaS**: Platform as a Service

**SaaS**: Software as a Service

1. **When considering networks, name at least 2 host devices.**

* A computer
* A printer
* A scanner
* A tablet
* A camera

1. **When considering networks, name at least 2 intermediary devices.**

* A switch
* A Router
* A modem

1. **Which technology is most often used to connect to a PAN?**

Bluetooth technology

1. **How is a peer-to-peer network different to a server/client network?**

Peer-to-peer networks have no servers and all the devices are considered as clients with the same responsibilities. Therefore, the administration is decentralized.

1. **What do the following terms stand for?**

**LAN:** Local Area Network

**MAN:** Metropolitan Area Network

**WAN:** Wide Area Network

1. **What does DHCP stand for and what is the function of a DHCP server?**

It stands for Dynamic Host Configuration Protocol and its function is to automatically assign IP addresses to the hosts on the network.

1. **When referring to networking, what does encapsulation mean?**

Encapsulation is the process of adding protocol information to data passing down the layers.

1. **What does the IEEE802.3 standard describe?**

### The ethernet technology

1. **What does the IEEE802.11 standard describe?**

The wireless local area network technology

1. **What is a reason you would set up a HOMEGROUP on your computers?**

To easily share files, printers and multimedia within the members of the same homegroup

1. **What are at least 2 advantages of cloud computing?**

* Only paid for the storage and processing used
* I can change the capacity of both storage and processing as needed