# Server and Cloud exam practice. 10 marks

1. Explain two advantage of Virtualisation. (4 marks)
2. How is cloud computing different from Virtualisation? (2 marks)
3. What protocol would a web server interact with (1 mark)
4. Explain the use of a hypervision server (3 marks)

Answers:

1. *One mark for point, another for explanation:***There are reduced costs** (1) because there are less single computing devices (1) and there is reduced cost on the use of electricity to power the machines (1).

**Updates and patches are central (1)** Only one machine needs to be updated to update the virtual machines on a network (1)

**Automated tasks (1)** Patches and system updates can be automated to update all machines in one go (1)

**Improved security (1)** with less machines potentially gaining viruses it can be more secure (1)

2. Cloud computing uses existing technology to deliver services, such as security, storage or data manipulation over a network. (*1 for any service*) It is used like a utility and not a full delivered operating system and machine such as Virtualisation (1)

3. HTTP/HTTPS (1 mark for either)

4. This is software which manages different operating systems, or duplicates (1 mark) on a single computer (1 mark) It manages the hardware resources such as RAM and CPU so all operating systems can operate (1 mark)