**5. Cyber security**

1.i)   Any**four** from: [4]

* multiple computers are used as bots; [1 mark]
* designed to deny people access to a website; [1 mark]
* a large number / numerous requests are sent (to a server) …; [1 mark]
* … all at the same time; [1 mark]
* the server is unable to respond / struggles to respond to all the requests; [1 mark]
* the server fails / times out as a result; [1 mark]

ii)  Firewall **OR** proxy server; [1 mark] [1]

2. i) Any **three**from:  
  
− Hacking; [1 mark]   
  
− Denial of service (DoS) attack; [1 mark]   
  
− Virus; [1 mark]   
  
− Malware; [1 mark]   
  
NOTE: Three different type of malware can be awarded [3]

3. i) Any **two**from:   
  
− Loss of power/electricity; [1 mark]

− Spillage of liquids; [1 mark]

− Flood; [1 mark]

− Fire; [1 mark]

− Human error; [1 mark]

− Hardware failure; [1 mark]

− Software failure; [1 mark]   
  
NOTE: Three different types of human error can be awarded e.g. accidental deletion, not saving data, incorrect shutdown procedure  [2]