Name: ..... **Class:** ..... **Mark:** .....

1. Zynergy Systems is a large logistics company that relies heavily on IT systems.

   They have become concerned about cyber-attacks that could negatively affect their company. In particular, they are worried that their employees may be at risk without realising it.

   (a) Identify **two** ways in which employees could create a cyber risk without realising. [2]

   Risk 1:

   Risk 2:

   (b) Discuss how the techniques you gave in part (a) work and how staff can reduce their chance of becoming a victim of them. [8]

2. Salim works for a large corporate bank in the City of London. His employer has told him that he must never connect his company laptop or smartphone to the public Wi-Fi when unencrypted. They further explained that this is due to black hat hackers.

(a) Explain the meaning of the term black hat hacker. [2]

(b) Discuss how a man-in-the-middle attack can be used against Salim when he uses unencrypted Wi-Fi on his smartphone. [8]

[Total 20 marks]