Name: Class: Mark:

1. (a) What is meant by a **communications protocol**? [1]

 (b) Name **two** protocols used in Internet communications. [2]

 (c) Many communications protocols operate on specific layers.

 (i) Define what is meant by a layer in this context. [1]

 (ii) Explain the advantages of separating communications operation over
different layers. [2]

2. (a) Explain the difference between the HTTP and HTTPS protocols. [2]

 (b) Explain **one** example where the HTTPS protocol would need to be used. [2]

 [Total 10 marks]