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]