Question 3

Compare Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) by outlining one key difference in their data delivery approach and provide a suitable application for each. [3 marks]

Question 4

Distinguish between HTTP (Hypertext Transfer Protocol) and HTTPS (Hypertext Transfer Protocol Secure) by stating their primary difference and explaining why HTTPS is essential for sensitive data transmission.

Marking Guide

#	Marking Criteria	Example	Mark
3	States key difference TCP vs UDP	TCP guarantees delivery of all packets, while UDP does not.	1
	Provides TCP application	Web browsing uses TCP to ensure all files are received in order.	1
	Provides UDP application	Online games use UDP because fast delivery is more important than reliability.	1
4	States primary difference	HTTP sends data as plain text, but HTTPS encrypts data using SSL/TLS.	1
	Explains why HTTPS is essential	HTTPS protects login details from hackers by encrypting the transmission.	1