

## COMPUTER SCIENCE TRIPOS Part II – 2020 – Paper 8

### 7 E-Commerce (sam56)

- (a) Describe how a block chain distributed ledger operates and briefly describe two advantages and two disadvantages of such systems. [6 marks]
- (b) Given that a number of systems are starting to use distributed ledgers to store and process transaction data, discuss the potential issues of using such ledgers given the rights data subjects have under GDPR. [8 marks]
- (c) Discuss three network externalities or effects that could impact the adoption of a new distributed ledger technology for purchasing and tracking carbon emission offsets. [6 marks]