

Paper 1

Principles of Computer Science

Paper code: 1CP2/01

✓ 75 marks

🕒 Written examination: 1 hour 30 minutes

⚖️ 50% of the qualification

Content overview

This paper will assess Topics 1 to 5.



Computational thinking

- understanding of what algorithms are, what they are used for and how they work; ability to follow, amend and write algorithms; ability to construct truth tables.



Data - understanding of binary, data representation, data storage and compression.



Computers

- understanding of hardware and software components of computer systems and characteristics of programming languages.



Networks - understanding of computer networks and network security.



Issues and impact - awareness of emerging trends in computing technologies, and the impact of computing on individuals, society and the environment, including ethical, legal and ownership issues.

Assessment overview

This paper consists of five compulsory questions, each one focused on one of the topic areas. The questions consist of multiple-choice, short-, medium- and extended-open-response, tabular and diagrammatic items.