**Cambridge International School**

**Subject: Computer Science**

**DATE OF TEST: 2020-04-30**

**TOTAL TIME ALLOTTED: 2 hours 0 mins**

**Number of questions: 10**

**Paper type: Advanced Subsidiary (AS) Paper 1**

**General guidelines:**

**1. All the questions are compulsory.**

**2. Read all the questions very carefully before answering. Write to the point answers.**

**Questions are as follows:**

1. Describe how an assembler produces machine code from assembly language. (2 marks)

2. Explain the relationship between assembly languages and machine code. (2 marks)

3. Give three file management tasks that are done by a computer operating system. (2 marks)

4. Describe two typical features found in software for editing sound files. (2 marks)

5. Give two ways of protecting computer systems against hacking. (5 marks)

6. State two features that are available on a digital phone. (5 marks)

7. Give two reasons why a programmer would choose to write code in a low-level language. (5 marks)

8. Describe, with examples, two types of test data which could be used to test a system. (8 marks)

9. Describe the difference between speech recognition and speech synthesis. (8 marks)

10. State three tasks done by the operating system. (8 marks)