

# ocr

## Thursday 25 May 2023 – Afternoon GCSE (9–1) Computer Science

**J277/02** Computational thinking, algorithms and programming

Time allowed: 1 hour 30 minutes

Do not use:  
a calculator

Please write clearly in black ink. Do not write in the barcodes.

Centre number

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### INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

### INFORMATION

- The total mark for this paper is **80**.
- The marks for each question are shown in brackets [ ].
- This document has **20** pages.

### ADVICE

- Read each question carefully before you start your answer.

# Ocr Past Papers Science Gcse Pp2 P3

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web bioetanol hasil fermentasi kulit nanas waktu fermentasi hari konsentrasi bioetanol yang diperoleh v v konsentrasi inokulum 5 10 15 2 30 09 34 47 32 16 4 41 69 43 10 39 66 6 37 11 32 66 27 44 8 17 71 27 70 23 06 tabel3 1 menunjukkan waktu optimum yang diperoleh untuk memproduksi bioetanol dengan