



Wednesday 19 June 2024 – Morning

GCSE (9–1) Food Preparation and Nutrition

J309/01 Food preparation and nutrition

Time allowed: 1 hour 30 minutes

No extra materials are needed.



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

Centre number

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Candidate number

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First name(s)

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Last name

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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 **100**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

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CO Houle



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OCR AS Biology Student Unit Guide New Edition: Unit F212 Molecules, Biodiversity, Food and Health Richard Fosbery, 2012-07-20 Written by a senior examiner Richard Fosbery this OCR AS Biology Student Unit Guide is the essential study companion for Unit F212 Molecules Biodiversity Food and Health This full colour book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required exam style questions with graded student responses so you can see clearly what is required to get a better grade *OCR AS Biology Unit F212: Molecules, Biodiversity, Food and Health* Richard Fosbery, 2009-01-30 Student Unit Guides are perfect for revision Each guide is written by an examiner and explains the unit requirements summarises the relevant unit content and includes a series of specimen questions and answers There are three sections to each guide Introduction includes advice on how to use the guide an explanation of the skills being tested by the assessment objectives an outline of the unit or module and depending on the unit suggestions for how to revise effectively and prepare for the examination questions Content Guidance provides an examiner s overview of the module s key terms and concepts and identifies opportunities to exhibit the skills required by the unit It is designed to help students to structure their revision and make them aware of the concepts they need to understand the exam and how they might analyse and evaluate topics Question and Answers sample questions and with graded answers which have been carefully written to reflect the style of the unit All responses are accompanied by commentaries which highlight their respective strengths and weaknesses giving students an insight into the mind of the examiner **Revise AS Biology for OCR** Richard Fosbery, 2005-09-20 The books in this series present revision in a straightforward and user friendly way The authors give tips on common pitfalls and each guide contains help with the best ways to tackle different types of exam questions

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web the quadratic formula in terms of the discriminant is $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ a example find the discriminant of the quadratic equation $2x^2 - 3x - 8 = 0$ comparing the equation with $ax^2 + bx + c = 0$ we get $a = 2$, $b = -3$ and $c = -8$ so the discriminant is Δ or $b^2 - 4ac = (-3)^2 - 4(2)(-8) = 9 + 64 = 73$ discriminant of cubic equation

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web find the value of the discriminant of each quadratic equation 1 $6x^2 - 2x + 3 = 0$ 2 $7x^2 - 2x + 1 = 0$ 3 $4m^2 - 4m + 5 = 0$ 4 $5b^2 - b + 2 = 0$ 5 $r^2 - 5r + 2 = 0$ 6 $2p^2 - 5p + 4 = 0$ 7 find the discriminant of each quadratic equation then state the number of real and imaginary solutions

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it is ideal for applications such as machine control applications measurement devices study purpose

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web circuit diagram for flashing led with pic16f877a design this circuit in proteus connect the pins with the source ground and oscillator as explained in the pin description section connect 8mhz oscillator with osci and osc2 through two 22 pico farad capacitors provide 5 volt to reset pin through 10k ohm resistor