



Monday 3 June 2024 – Afternoon

A Level Further Mathematics A

Y541/01 Pure Core 2

Time allowed: 1 hour 30 minutes



You must have:

- the Printed Answer Booklet
- the Formulae Booklet for A Level Further Mathematics A
- a scientific or graphical calculator

QP

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the **Printed Answer Booklet**. If you need extra space use the lined pages at the end of the Printed Answer Booklet. The question numbers must be clearly shown.
- Fill in the boxes on the front of the Printed Answer Booklet.
- Answer **all** the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Give non-exact numerical answers correct to **3** significant figures unless a different degree of accuracy is specified in the question.
- The acceleration due to gravity is denoted by $g \text{ m s}^{-2}$. When a numerical value is needed use $g = 9.8$ unless a different value is specified in the question.
- Do **not** send this Question Paper for marking. Keep it in the centre or recycle it.

INFORMATION

- The total mark for this paper is **75**.
- The marks for each question are shown in brackets [].
- This document has **8** pages.

ADVICE

- Read each question carefully before you start your answer.

Ocr Core 1 January 2014 Paper

M Mosston



Ocr Core 1 January 2014 Paper:

This book delves into Ocr Core 1 January 2014 Paper. Ocr Core 1 January 2014 Paper is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Ocr Core 1 January 2014 Paper, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Ocr Core 1 January 2014 Paper
- Chapter 2: Essential Elements of Ocr Core 1 January 2014 Paper
- Chapter 3: Ocr Core 1 January 2014 Paper in Everyday Life
- Chapter 4: Ocr Core 1 January 2014 Paper in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Ocr Core 1 January 2014 Paper. The first chapter will explore what Ocr Core 1 January 2014 Paper is, why Ocr Core 1 January 2014 Paper is vital, and how to effectively learn about Ocr Core 1 January 2014 Paper.

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the pacific ocean and the nearest major landmass is australia divided into two parts tahiti nui bigger northwestern part and tahiti iti smaller southeastern part the island was formed from volcanic activity it is high and mountainous with surrounding coral reefs

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web also called normally closed off delay relays one shot timers provide a single contact pulse of specified duration for each coil energization transition from coil off to coil on recycle timers provide a repeating sequence of on off contact pulses as long as the coil is maintained in an energized state

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web mar 24 2019 here the time defining components both r and c are switched creating distinct rc pairs p1 r3 and c1 for

the off time and another pair p2 r4 and c2 for the on time notably the relay remains unpowered when a
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web this type of positive feedback is also called hysteresis and provides a fast transition from the on to off state once turning off starts the off delay timing is mostly a function of c1 and r6 the exact delay is a bit hard to predict because it depends on the gain of the transistors particularly of q1

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