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A-level BIOLOGY

Paper 3

Wednesday 19 June 2024

Morning

Time allowed: 2 hours

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a scientific calculator.

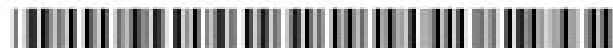
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- Fill in the boxes at the top of this page.
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- Show all your working.
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Information

- The marks for the questions are shown in brackets.
- The maximum mark for this paper is 78.

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Question	Mark
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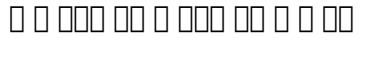
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web the control circuit is based on a cmos inverter ic1 type 40106 the motor is switched by a darlington with discrete components t1 t2 ic1a inverter operates as an oscillator whose duty cycle the t2 leads so the motor receives energy is determined by r2 c2 d3 gave the inactive signal oscillator when t2 is blocked is determined by r3 p1

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