**A-LEVEL CHEMISTRY**

**PAPER 2**

**PRACTICE PAPER 11**

Answer all questions

Max 105 marks

2 hours

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|  | Name …………………………………………………………….. |  |
|  | Mark ……../105 ……....% Grade ……… |  |

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| --- | --- | --- |
| **1.** |  | |
|  | **(Total 4 marks)** | |
| **2.** |  | |
|  |  | |
|  | **(Total 6 marks)** | |
| **3.** | **(Total 3 marks)** | |
| **4.** | (a) | Name of organic product: ………………………………………………………………………………………………………………  (5 marks) |
|  | (b) | ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  (2 marks) |

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|  | (c) | ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  ……………………………………………………………………………………………………………………………………………………………………  (4 marks)  **(Total 11 marks)** |
| **5.** | (2 marks)  **(Total 2 marks)** | |

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| **6.** | Name of R: ……………………………………………………………………………….  Name of mechanism: ……………………………………………………………….  Mechanism:    (7 marks) |
|  | Name of mechanism: ………………………………………………………  Structure of S:  Reagents: …………………………………………………………………………..  Type of reaction: ………………………………………………………………  (4 marks)  **(Total 11 marks)** |
| **7.** | **(Total 4 marks)** |
| **8.** | Equation: ……………………………………………………………………………………………………………………………………………………………..  Name of mechanism: …………………………………………………………………………………………………………………………………………..  Mechanism:  (6 marks) |
|  | Name of mechanism: …………………………………………………………………………………………………………………………………………..  Mechanism:  ……………………………………………………………………………………………………………………………………………………………………………...  ……………………………………………………………………………………………………………………………………………………………………………...  ……………………………………………………………………………………………………………………………………………………………………………...  ……………………………………………………………………………………………………………………………………………………………………………...  ……………………………………………………………………………………………………………………………………………………………………………...  (8 marks)  **(Total 14 marks)** |

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| **9.** |  |
|  |  |
|  | **(Total 6 marks)** |
| **10.** | **(Total 2 marks)** |

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| **11.** |  | |
|  | (iii) | (4 marks) |
|  | **(Total 8 marks)** | |

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| **12.** | ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  (5 marks) |
|  | ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  ………………………………………………………………………………………………………………………………………………………………………………  (7 marks) |

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| **13.** |  |
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|  |  |
|  | **(Total 17 marks)** |