**A-LEVEL CHEMISTRY**

**PAPER 2**

**PRACTICE PAPER 13**

Answer all questions

Max 105 marks

2 hours

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

|  |  |
| --- | --- |
| **1.** |  |
|  | **(Total 6 marks)** |
| **2.** |  |
|  |  |
|  | **(Total 8 marks)** |

|  |  |
| --- | --- |
| **3.** | Name of mechanism: ……………………………………………………………………………………Mechanism:(5 marks) |
|  | ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………(2 marks)**(Total 7 marks)** |
| **4.** | Rate of reaction ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………Catalyst ..…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………(2 marks) |

|  |  |
| --- | --- |
|  | Catalyst: …………………………………………………………………………………………………………………………………………………………….Equation: ……………………………………………………………………………………………………………………………………………………………Catalyst: …………………………………………………………………………………………………………………………………………………………….Equation: ……………………………………………………………………………………………………………………………………………………………Catalyst: …………………………………………………………………………………………………………………………………………………………….Equation: ……………………………………………………………………………………………………………………………………………………………(7 marks)**(Total 9 marks)** |
| **5.** | ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… (6 marks) |

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|  | Reagents:………………………………………………………………………………………………………………………………………………Equation:………………………………………………………………………………………………………………………………………………Type of mechanism:………………………………………………………………………………………………………………………………………Structure of product:(5 marks)**(Total 11 marks)** |
| **6.** |  |
|  |  |
|  |  |
|  |  |
|  | **(Total 17 marks)** |
| **7.** | …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………(8 marks) |
|  | ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………(6 marks) |
|  | (1 mark)**(Total 15 marks)** |

|  |  |
| --- | --- |
| **8.** |   |
|  |  |
|  | **(Total 13 marks)** |
| **9.** |  |
|  |  |
|  |  |
|  |  |
|  | **(Total 12 marks)** |
| **10.** |  |
|  | **(Total 7 marks)** |