**A-LEVEL CHEMISTRY**

**PAPER 2**

**PRACTICE PAPER 9**

Answer all questions

Max 105 marks

2 hours

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

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| --- | --- | --- |
| **1.** | (a) |  |
|  | (b) |  |
|  | (c) |  |
|  | (d) |  |
|  | (e) | **(Total 7 marks)** |
| **2.** | ……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...**(Total 9 marks)** |
| **3.** | **(Total 1 mark)** |
| **4.** |  |
|  | **(Total 7 marks)** |
| **5.** | **(Total 7 marks)** |
| **6.** |  |
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| **7.** |  |
|  | (a) | …………………………………………………………………………………………………………………………………………………………. |
|  |  | (i) | ………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………. |
|  |  | (ii) | ………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………. |
|  |  | (iii) | ………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………. |

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|  | (b) | ………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………. |
|  | (c) | ………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………………………………….**(Total 8 marks)** |

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| **8.** | ……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………...……………………………………………………………………………………………………………………………………………………………………………... |
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| **9.** | **(Total 2 marks)** |
| **10.** |  |
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|  | **(Total 11 marks)** |

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| **11.** | …………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………….(9) |
|  | (b) | ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………(4)**(Total 13 marks)** |