**A-LEVEL CHEMISTRY**

**PAPER 2**

**PRACTICE PAPER 9**

Answer all questions

Max 105 marks

2 hours

|  |  |  |
| --- | --- | --- |
|  | 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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|  |  | |
|  |  | |
|  | **(Total 10 marks)** | |

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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.** |  |
|  |  |
|  |  |
|  | **(Total 11 marks)** |

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