**A-LEVEL CHEMISTRY**

**PAPER 1**

**PRACTICE PAPER 12**

Answer all questions

Max 105 marks

2 hours

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

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|  | **(Total 6 marks)** |
| **2.** |  |
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|  | **(Total 8 marks)** |
| **3.** |  |
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|  | **(Total 13 marks)** |
| **4.** |  |
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| **5.** |  |
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|  | **(Total 12 marks)** |
| **6.** |  |
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|  | **(Total 12 marks)** |
| **7.** |  |
|  | **(Total 7 marks)** |
| **8.** | …………………………………………………………………………………………………………………………………………………………………………...  …………………………………………………………………………………………………………………………………………………………………………...  …………………………………………………………………………………………………………………………………………………………………………...  …………………………………………………………………………………………………………………………………………………………………………...  (3 marks) |

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| **9.** | (a) | Separate solutions of CuSO4(aq) and Cu(NO3)2(aq) can be distinguished by using a suitable reagent in test-tube reactions.  Identify a suitable reagent, describe what you would observe and write equations for any reactions that occur.  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  (4 marks) |
|  | ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….    ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….    ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  (6 marks)  **(Total 10 marks)** | |
| **10.** | (a) | (2 marks) |
|  | (b) | ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  ……………………………………………………………………………………………………………………………………………………………….  (5 marks)  **(Total 7 marks)** |