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| SỞ GIÁO DỤC & ĐÀO TẠO  THÀNH PHỐ HỒ CHÍ MINH  **TRƯỜNG THPT THẠNH LỘC** | **ĐÁP ÁN ĐỀ KIỂM TRA GIỮA KỲ – HKI**  **NĂM HỌC: 2022 – 2023**  **Môn: HOÁ HỌC – KHỐI 11 (TN)** |

**I. Trắc nghiệm (3 điểm) *Mỗi đáp án đúng 0,25đ* x *12 câu***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***119*** | | | | | | | | | | | |  | ***312*** | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | 12 |  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
| C | B | A | B | A | D | B | D | D | A | C | C |  | A | B | A | D | D | B | D | C | C | C | A | B |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***271*** | | | | | | | | | | | |  | ***435*** | | | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
| B | A | B | A | D | D | D | B | C | C | A | C |  | A | D | A | C | D | B | B | C | B | A | D | C |

**II. Tự luận (7 điểm)**

**Câu 1:** *(1đ)*Mỗi phương trình ion đúng: ***0,25đ x 4***

Sai 2 lỗi trở lên trừ 0,25đ.

**Câu 2:** *(1đ)*

|  |  |
| --- | --- |
| = 0,025 (mol) | ***(0,25đ)*** |
| = 0,05 M | ***(0,25đ)*** |
| + | ***(0,25đ)*** |
| [ = 0,1 M | ***(0,25đ)*** |
| [ |  |

**Câu 3:** *(2đ)*

|  |  |
| --- | --- |
| (mol)  = 0,12 (mol) | ***(0,5đ)*** |
| 0,13 (mol) = 0,13 (mol) | ***(0,5đ)*** |
| H+ + OH- H2O  BĐ: 0,12 0,13 (mol)  PƯ: 0,12 0,12  CL: 0 0,01 | ***(0,25đ)*** |
| OH- dư = 0,01 (mol) | ***(0,25đ)*** |
|  | ***(0,25đ)*** |
| pH = 12,3 | ***(0,25đ)*** |

**Câu 4:** *(1,5đ)*

|  |  |
| --- | --- |
| a. x = 0,325 (mol) | ***(0,5đ)*** |
| b. m = 47,525g | ***(1đ)*** |

**Câu 5:** *(1,5đ)*

Mỗi phương trình phân tử đúng: ***0,25đ x 3***

Mỗi phương trình ion hoặc phương trình ion rút gọn đúng: ***0,25đ x 3***