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| SỞ GIÁO DỤC & ĐÀO TẠOTHÀNH 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***

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| ***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)*

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| $n\_{Al\_{2}(SO\_{4})\_{3}}$ = 0,025 (mol) | ***(0,25đ)*** |
| $C\_{M\_{Al\_{2}(SO\_{4})\_{3}}}$= 0,05 M | ***(0,25đ)*** |
| $Al\_{2}(SO\_{4})\_{3}$ $⟶$ $2Al^{3+}$+ $3SO\_{4}^{2-}$ | ***(0,25đ)*** |
| [$Al^{3+}]$ = 0,1 M | ***(0,25đ)*** |
| [$SO\_{4}^{2-}]=0,15 M$ |  |

**Câu 3:** *(2đ)*

|  |  |
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| $n\_{H\_{2}SO\_{4}}=0,06 $(mol) $⟶$ $n\_{H^{+}}$= 0,12 (mol) | ***(0,5đ)*** |
| $n\_{NaOH}=$ 0,13 (mol) $⟶$ $n\_{OH^{-}} $= 0,13 (mol) | ***(0,5đ)*** |
|  H+ + OH- $⟶$ H2OBĐ: 0,12 0,13 (mol)PƯ: 0,12 $\rightarrow $ 0,12CL: 0 0,01  | ***(0,25đ)*** |
| OH- dư $\rightarrow n\_{\left(OH^{-}\right) dư}$ = 0,01 (mol) | ***(0,25đ)*** |
| $$C\_{M \left(OH^{-}\right) sau trộn}=0,02 M$$ | ***(0,25đ)*** |
| pH = 12,3 | ***(0,25đ)*** |

**Câu 4:** *(1,5đ)*

|  |  |
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| 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***