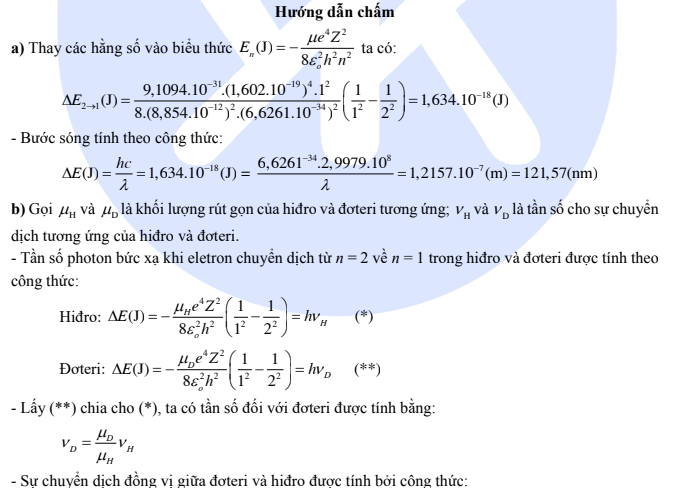
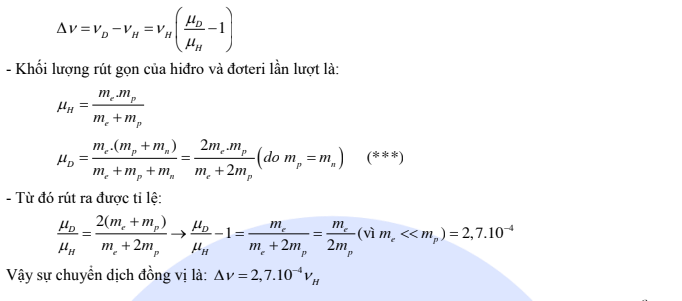
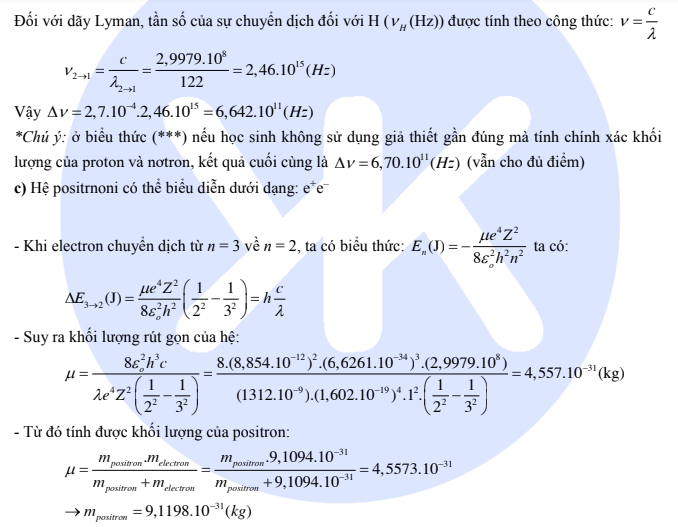
|  |  |
| --- | --- |
| **BỘ GIÁO DỤC VÀ ĐÀO TẠO** | **KỲ THI CHỌN HỌC SINH GIỎI QUỐC GIA THPT NĂM 2017**  **HƯỚNG DẪN CHẤM ĐỀ THI CHÍNH THỨC**  Môn: **HOÁ HỌC**  Ngày thi thứ nhất: **05/01/2017**  Ngày thi thứ hai: **06/01/2017** |

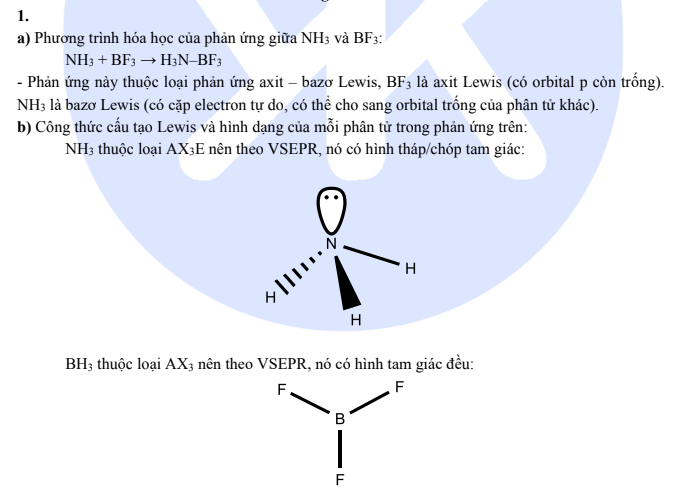
**NGÀY THỨ NHẤT**

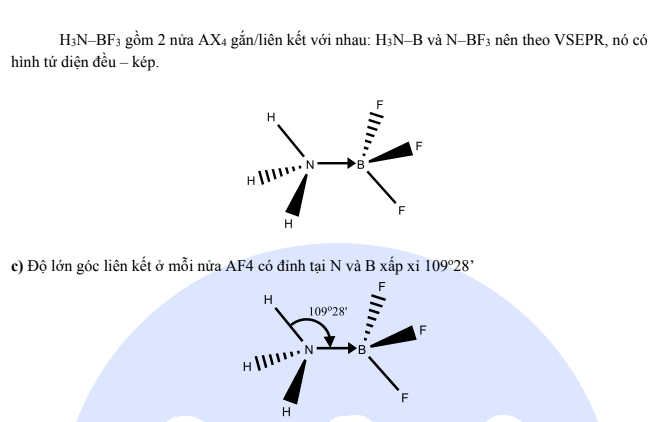
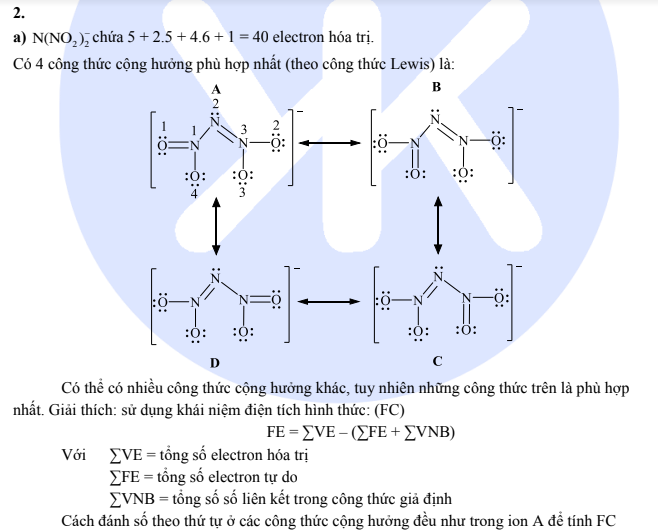
**Câu I (2,5 điểm)**

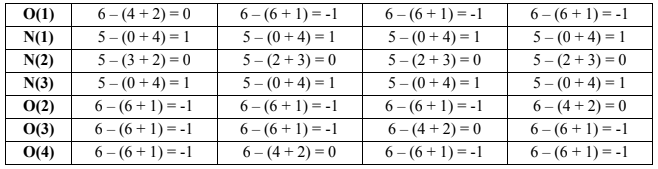
 

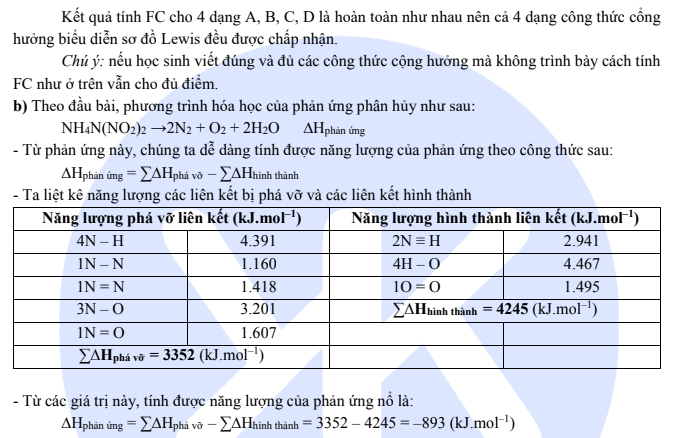
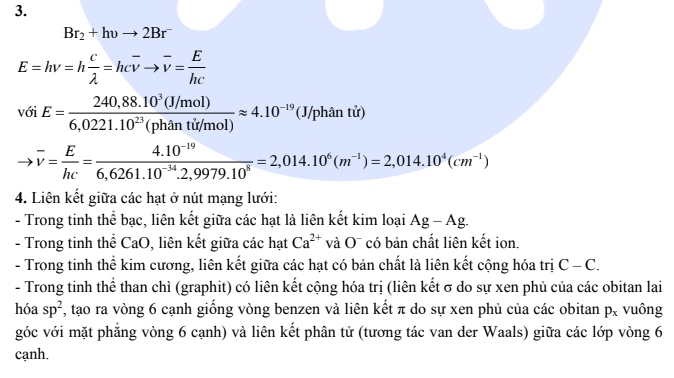
 

**Câu II (4 điểm)**



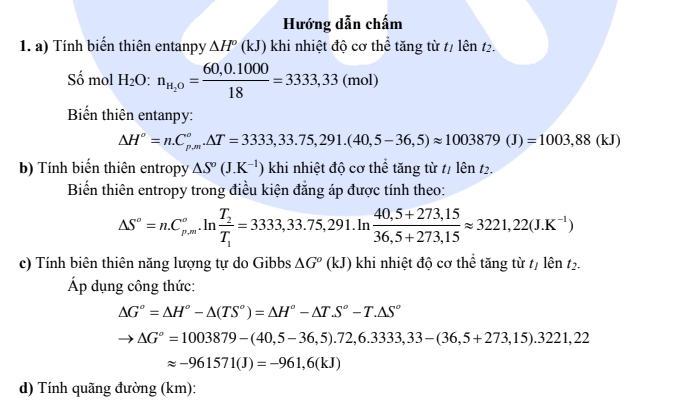
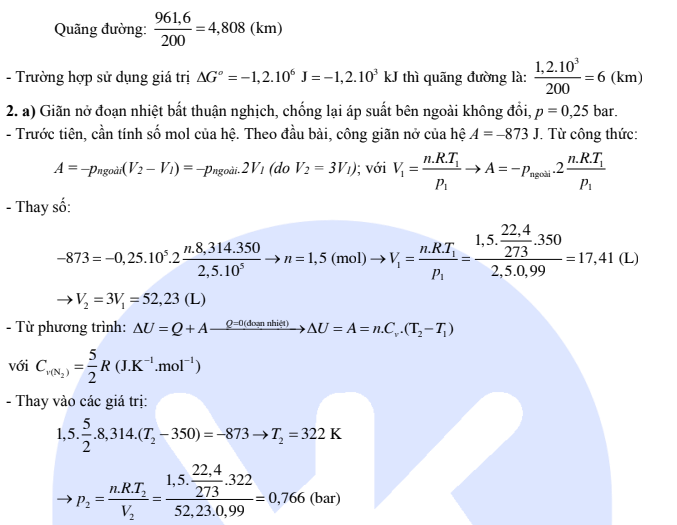
 

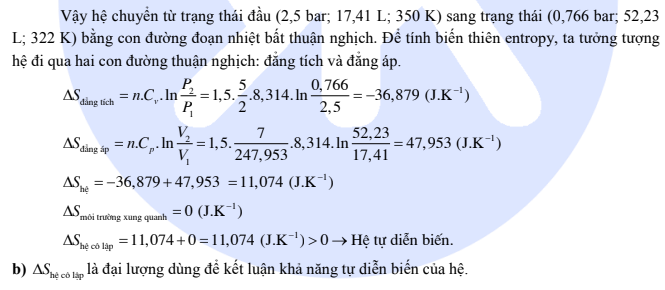
 

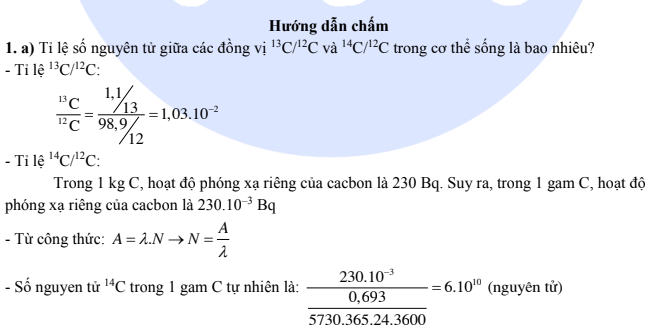
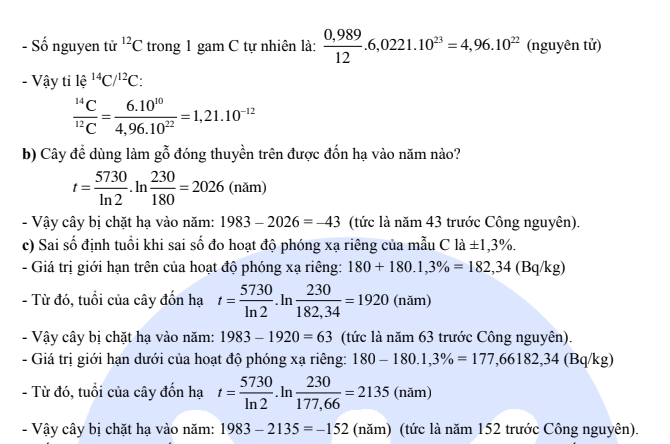
* Trong tinh thể I2 liên kết giữa các hạt (các phân tử) hình thành lực Van der Waals yếu.

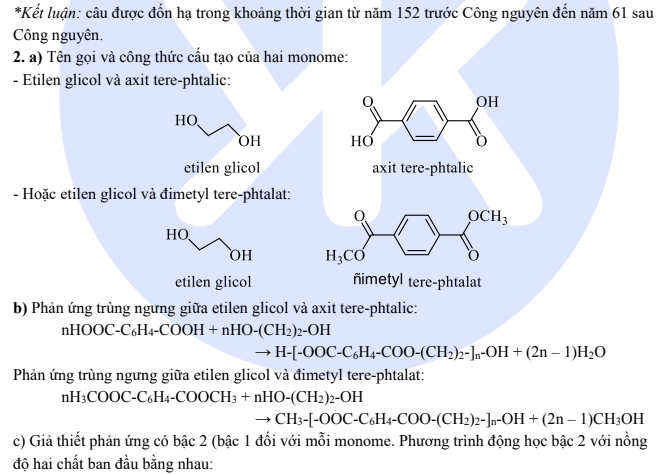
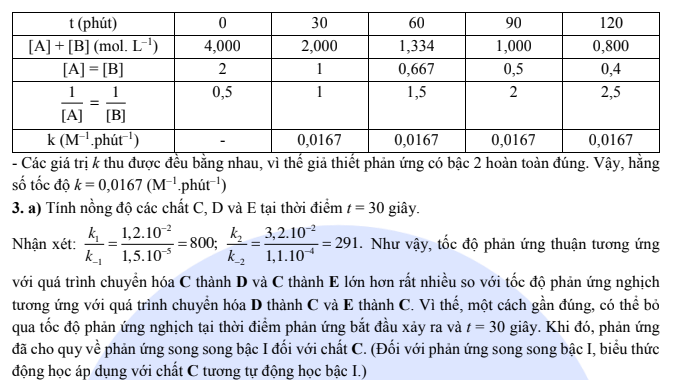
**Câu III (2,5 điểm)**

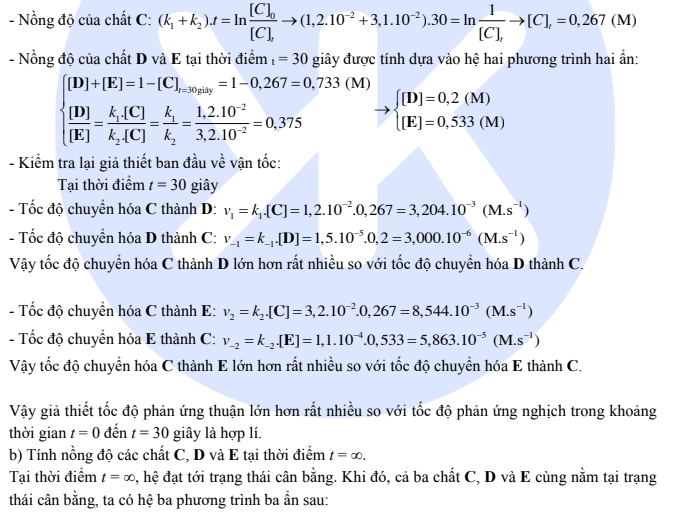
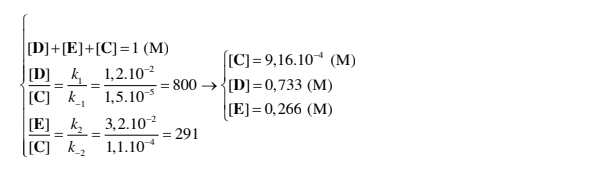
 



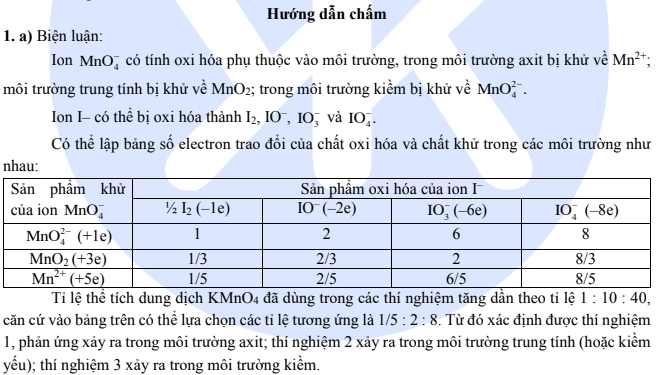
**Câu IV (3,5 điểm)**

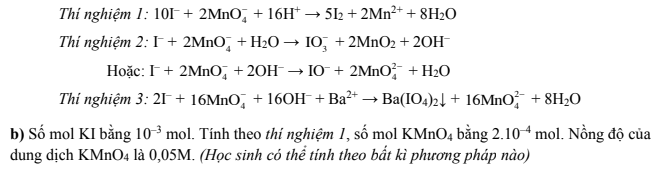
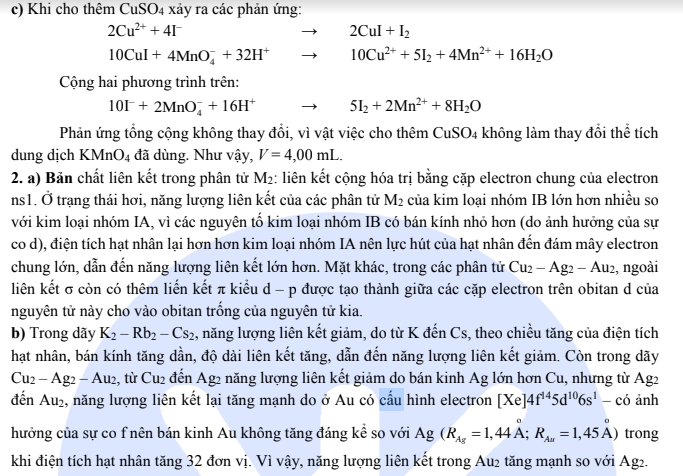
 

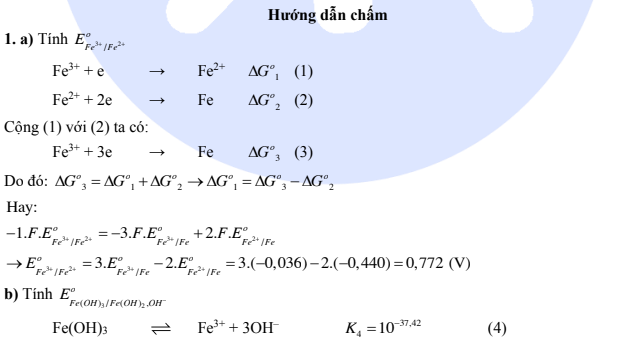
 

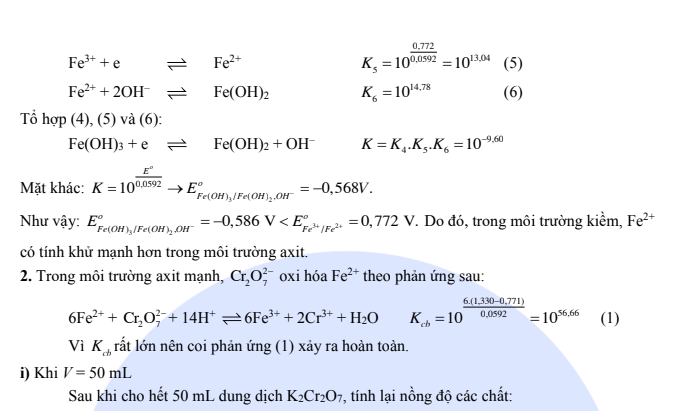
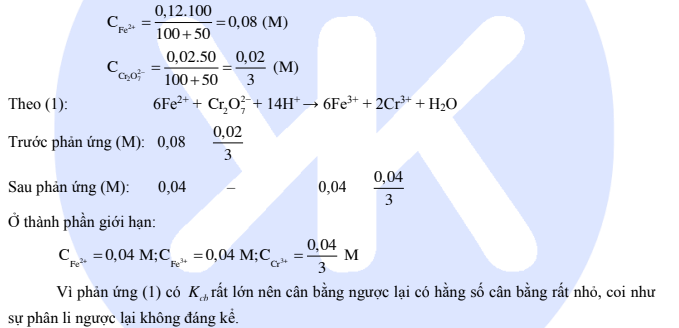
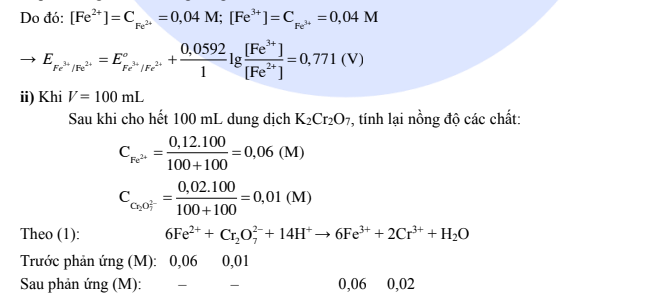
**Câu V ( 3 điểm)**

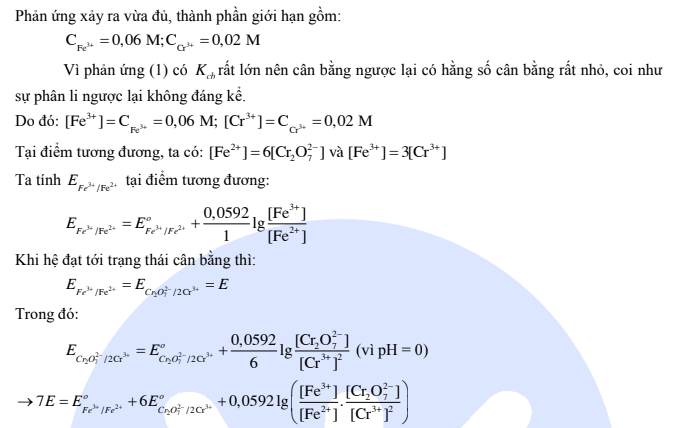
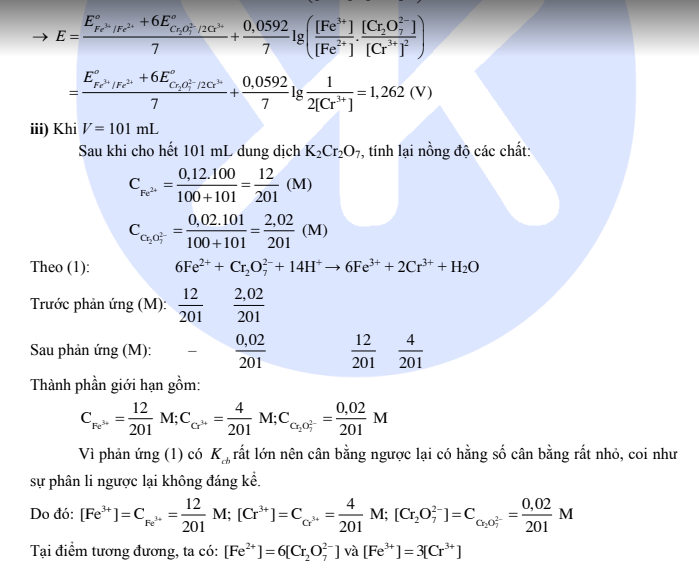


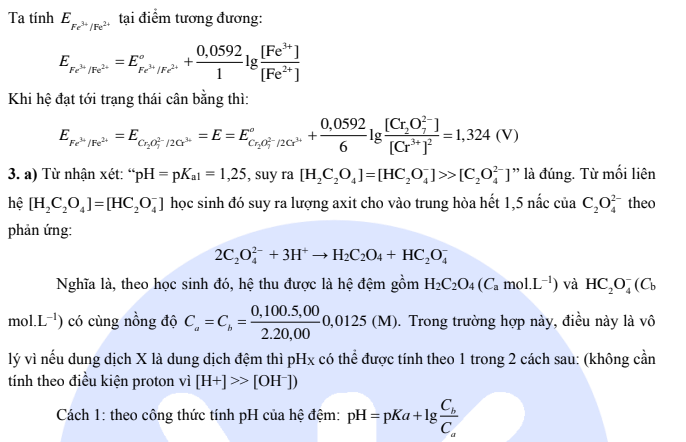
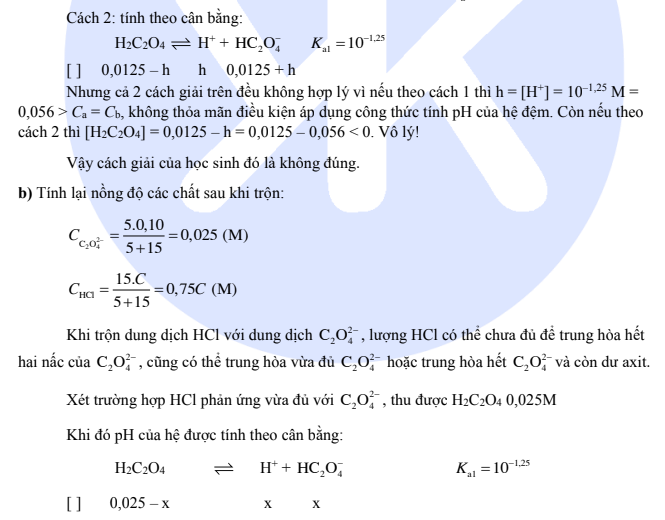
 

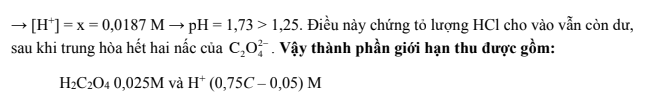
**Câu VI (4,5 điểm)**

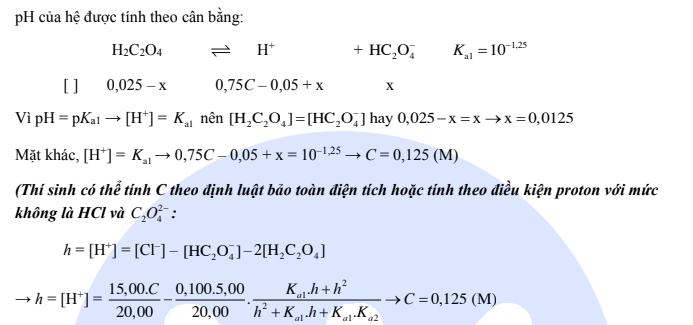
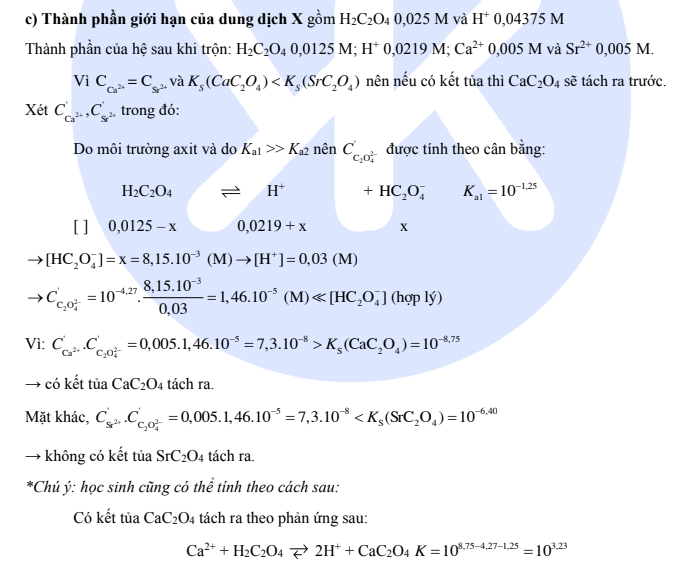


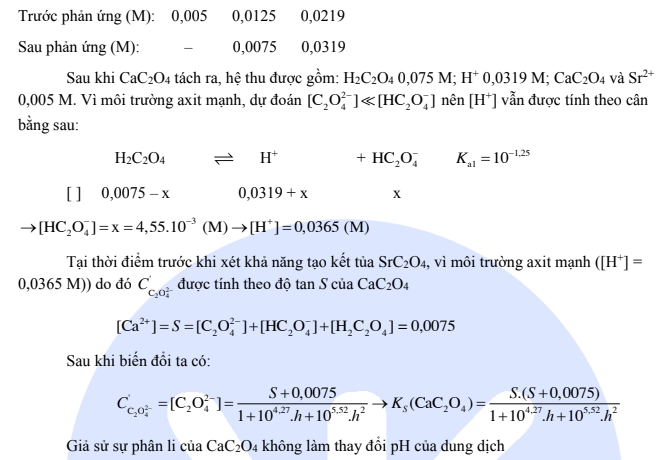
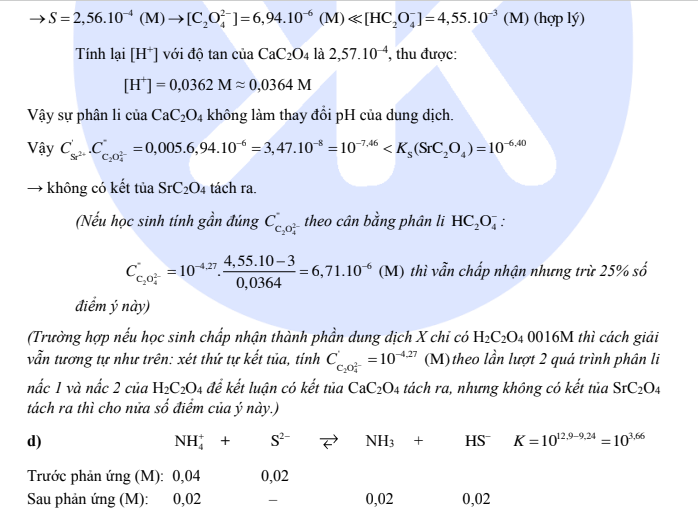
  

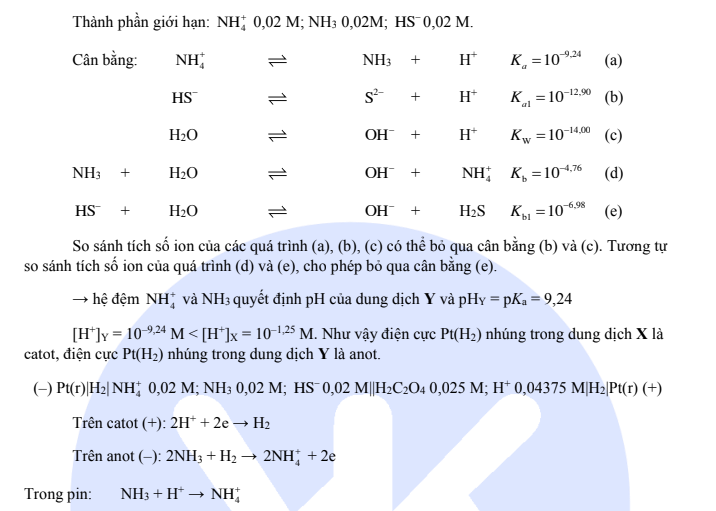
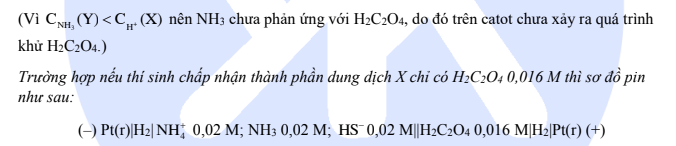
 



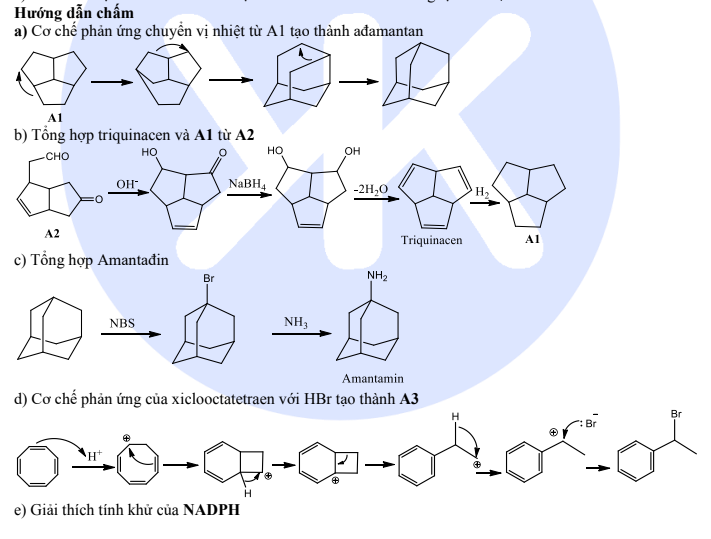
 

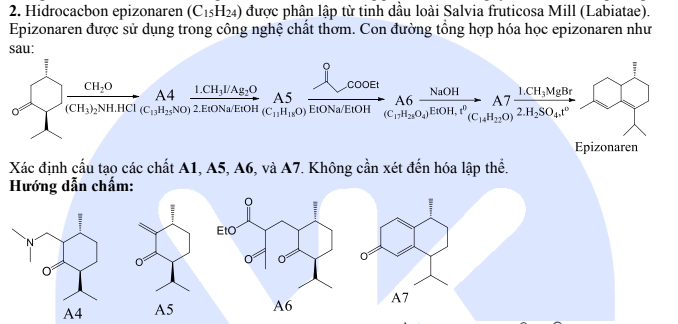
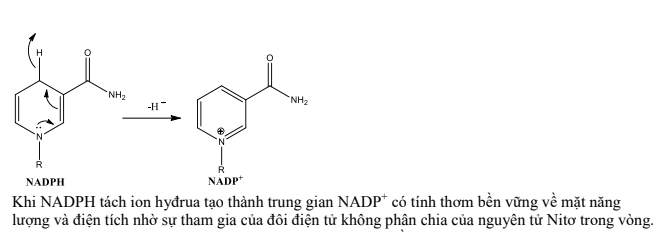
 

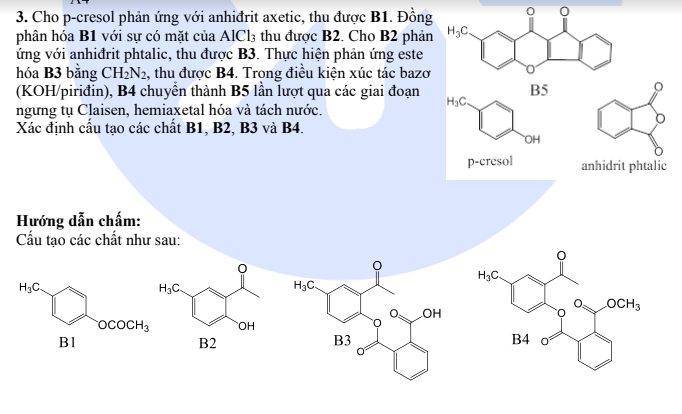
**HƯỚNG DẪN GIẢI NGÀY THỨ HAI**

**Câu I (3,5 điểm)**

**1.**

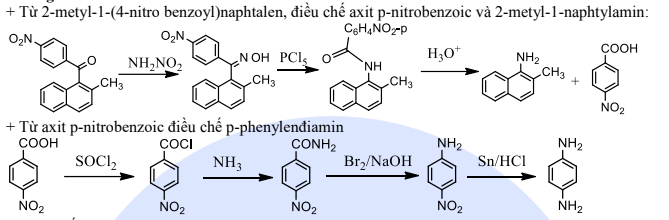




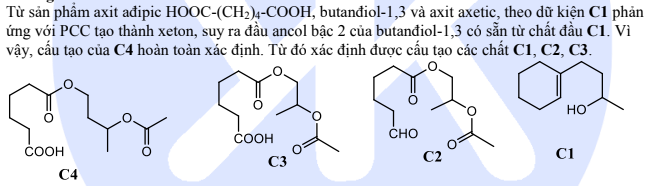


**Câu II (4 điểm)**

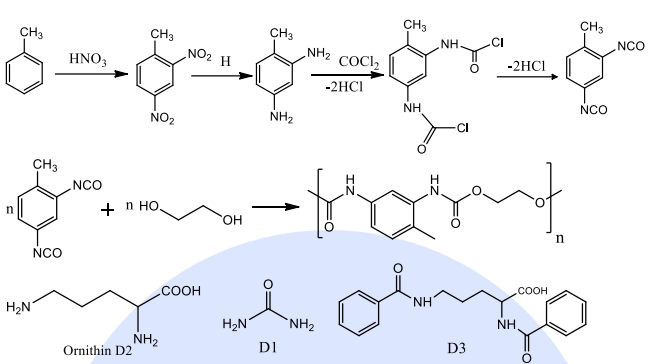
**1.**

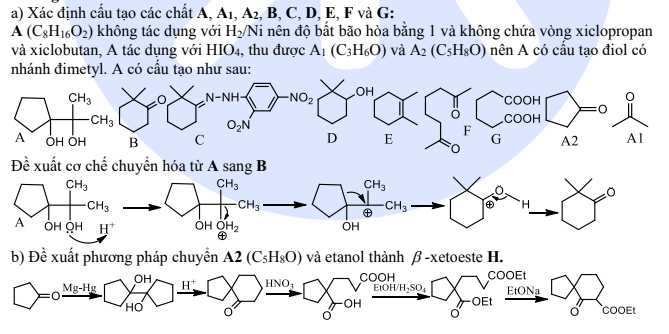


**2.**



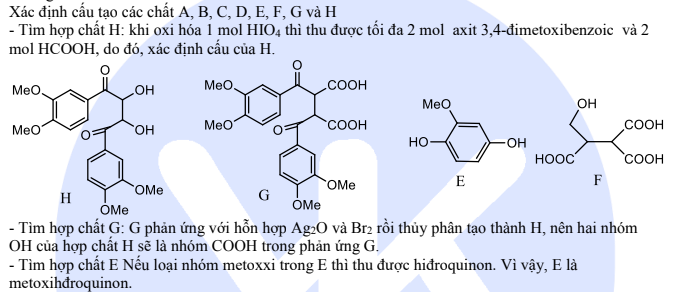
**3.**

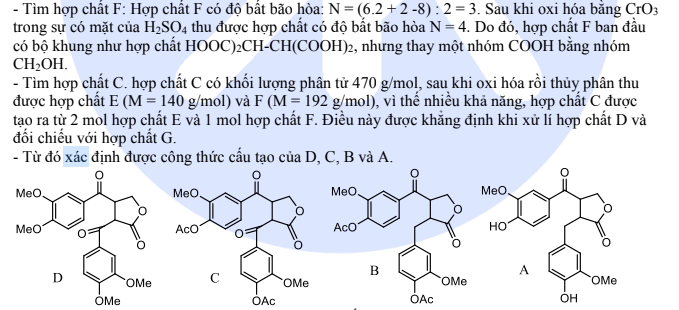




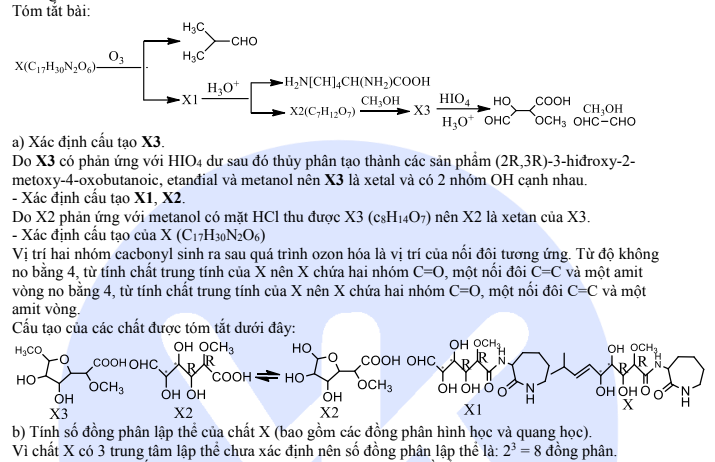
**Câu III (4 điểm):**

**1.**

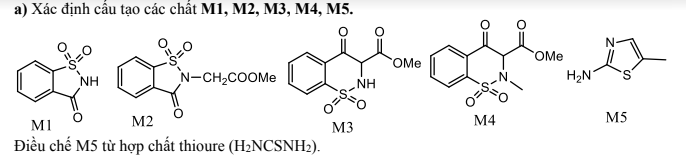


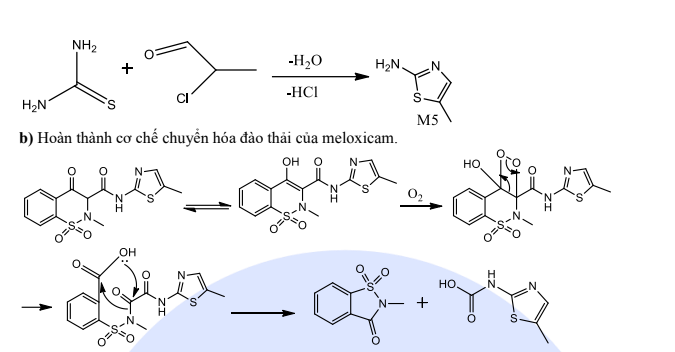


**2.**

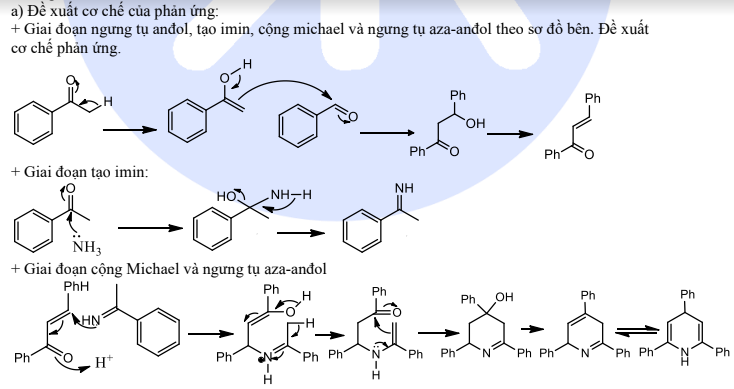


**3.**

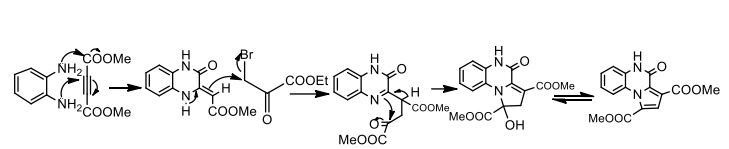




**4.**

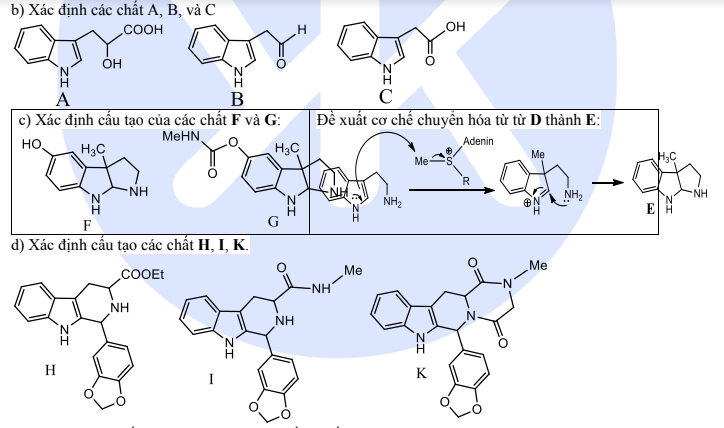
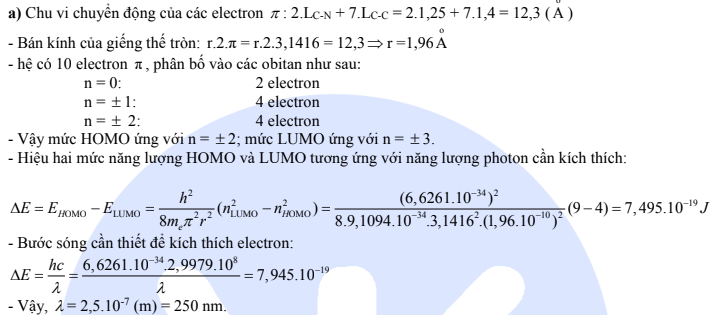


**b.**



**Câu IV (4,5điểm):**

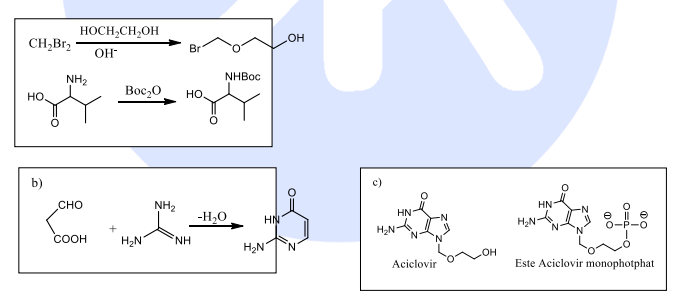
**1.**



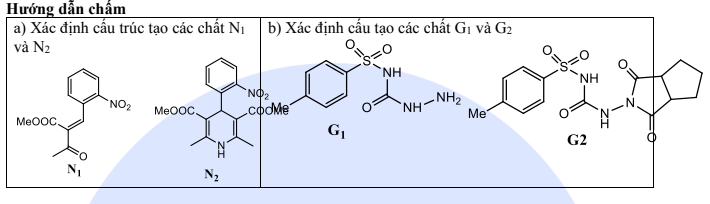
**2.**

**a.**





**3.**



**Câu V (4 điểm):**

