**ĐÁP ÁN MÔN VẬT LÝ 11 HỌC KÌ 2**

I. TRẮC NGHIỆM (6,0 điểm)

Mỗi lựa chọn đúng được 0,25 điểm

**Mã đề [100]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| **C** | **B** | **C** | **A** | **B** | **A** | **A** | **C** | **B** | **C** | **A** | **D** | **A** | **C** | **C** | **A** | **C** | **C** | **B** | **B** | **C** | **D** | **A** | **A** |

**Mã đề [200]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| **C** | **C** | **A** | **D** | **C** | **D** | **D** | **D** | **C** | **B** | **C** | **A** | **B** | **A** | **D** | **C** | **B** | **C** | **A** | **D** | **D** | **B** | **C** | **B** |

**Mã đề [300]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| **A** | **A** | **A** | **D** | **C** | **C** | **B** | **C** | **A** | **A** | **B** | **A** | **D** | **B** | **A** | **B** | **D** | **B** | **C** | **A** | **C** | **C** | **D** | **A** |

**Mã đề [400]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| **D** | **A** | **C** | **C** | **B** | **A** | **B** | **D** | **B** | **B** | **D** | **A** | **B** | **B** | **A** | **A** | **B** | **A** | **C** | **B** | **D** | **A** | **C** | **C** |

**II. TỰ LUẬN (4 ĐIÊM)**

|  |  |  |
| --- | --- | --- |
| Bài | Nội dung cần diễn đạt | Điểm |
| 1 | a. Ta có  thấu kính hội tụ | 0,5 |
| Tiêu cự của thấu kính là: | 0,5 |
| b. | 0,5 |
| nên ảnh thật, ngược chiều vật. | 0,25 |
|  | 0,75 |
| 2 | a. Áp dụng định luật khúc xạ ánh sáng: | 0,75 |
| b. Điều kiện xảy ra hiện tượng phản xạ toàn phần với hai môi trường trên  - Chiếu tia sáng từ môi trường có chiết suất  sang không khí  - Góc tới  với | 0,75 |