**ĐÁP ÁN VÀ THANG ĐIỂM ĐỀ THI HỌC KÌ II MÔN TOÁN 10 NĂM 2023**

 **I. TRẮC NGHIỆM ( 4 điểm )**

 **Mã đề 132:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| B | D | C | A | A | D | B | D | D | B | A | A | A | A | C | B | D | C | A | B | C | D | B | C | C | B | D | C |

 **Mã đề 209:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| B | A | C | D | B | C | A | A | D | A | B | A | A | C | A | D | C | C | B | B | C | B | C | D | B | D | D | D |

 **Mã đề 485:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| A | C | A | A | A | D | B | B | C | D | A | C | B | D | C | C | D | B | C | A | D | B | B | D | C | A | B | D |

**Mã đề 357:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| D | C | D | D | B | A | C | C | A | B | D | A | C | A | B | A | C | B | B | C | A | A | D | D | B | C | B | D |

 **II. TỰ LUẬN ( 3 điểm)**

|  |  |  |
| --- | --- | --- |
| Câu  |  ĐÁP ÁN | Điểm |
| Câu 1(1.0đ) |  | 0,5đ |
|  | 0,5đ |
|  |  Số cách chọn ngẫu nhiên 4 viên bi từ 22 viên bi đã cho là : | 0,25đ |
| Gọi A “ Lấy được 4 viên bi trong đó có ít nhất 2 viên bi cùng màu ’’Suy ra biến cố đối của A là  “ Lấy được 4 viên bi trong đó không có hai viên bi nào cùng màu ’’ | 0,25đ |
| Câu 2(1.0đ) |  | 0,25đ |
|  | 0,25đ |
|  |  |
|  Câu 3 (1.0đ)  | Gọi là đường trung trực của AB đi qua M (1;2) trung điểm của AB, nhận làm vectơ pháp tuyến có Pt là : 2x+y- 4 = 0 Tâm I của (C) thuộc  nên   | 0,25đ0,25đ0,25đ0,25đ |