**ĐÁP ÁN TOÁN 12 NGÀY 23/09/2017**

***PHẦN TRẮC NGHIỆM***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***made*** | ***cauhoi*** | ***dapan*** |  | ***made*** | ***cauhoi*** | ***dapan*** |  | ***made*** | ***cauhoi*** | ***dapan*** |  | ***made*** | ***cauhoi*** | ***dapan*** |
| 132 | 1 | D |  | 209 | 1 | C |  | 357 | 1 | C |  | 485 | 1 | D |
| 132 | 2 | C |  | 209 | 2 | C |  | 357 | 2 | C |  | 485 | 2 | D |
| 132 | 3 | B |  | 209 | 3 | B |  | 357 | 3 | D |  | 485 | 3 | B |
| 132 | 4 | A |  | 209 | 4 | D |  | 357 | 4 | C |  | 485 | 4 | A |
| 132 | 5 | D |  | 209 | 5 | B |  | 357 | 5 | B |  | 485 | 5 | D |
| 132 | 6 | C |  | 209 | 6 | B |  | 357 | 6 | A |  | 485 | 6 | B |
| 132 | 7 | D |  | 209 | 7 | C |  | 357 | 7 | D |  | 485 | 7 | B |
| 132 | 8 | D |  | 209 | 8 | B |  | 357 | 8 | D |  | 485 | 8 | C |
| 132 | 9 | B |  | 209 | 9 | A |  | 357 | 9 | B |  | 485 | 9 | B |
| 132 | 10 | A |  | 209 | 10 | D |  | 357 | 10 | B |  | 485 | 10 | D |
| 132 | 11 | D |  | 209 | 11 | C |  | 357 | 11 | C |  | 485 | 11 | C |
| 132 | 12 | D |  | 209 | 12 | C |  | 357 | 12 | A |  | 485 | 12 | A |
| 132 | 13 | C |  | 209 | 13 | B |  | 357 | 13 | A |  | 485 | 13 | B |
| 132 | 14 | A |  | 209 | 14 | A |  | 357 | 14 | B |  | 485 | 14 | D |
| 132 | 15 | B |  | 209 | 15 | A |  | 357 | 15 | D |  | 485 | 15 | C |
| 132 | 16 | A |  | 209 | 16 | D |  | 357 | 16 | A |  | 485 | 16 | C |
| 132 | 17 | D |  | 209 | 17 | B |  | 357 | 17 | C |  | 485 | 17 | D |
| 132 | 18 | A |  | 209 | 18 | C |  | 357 | 18 | A |  | 485 | 18 | B |
| 132 | 19 | C |  | 209 | 19 | A |  | 357 | 19 | D |  | 485 | 19 | A |
| 132 | 20 | B |  | 209 | 20 | A |  | 357 | 20 | C |  | 485 | 20 | A |

***PHẦN TỰ LUẬN***

|  |  |  |
| --- | --- | --- |
| **CÂU** | **ĐÁP ÁN** | **THANG ĐIỂM** |
| Câu 1 | TXĐ:  Ta có: | 0.25 |
|  | 0.25 |
| Bảng biến thiên:   |  |  | | --- | --- | | x | 0 | |  | + 0 - | |  | 1 | | 0.25 |
| Hàm số đồng biến trên khoảng  Hàm số nghịch biến trên khoảng | 0.25 |
| Câu 2 | Ta có: | 0.25 |
| Ta có: | 0.25 |
| Xét , ta có: | 0.25 |
|  | 0.25 |