**ĐÁP ÁN MÔN THI: VẬT LÝ 12**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MÃ ĐỀ 198 | | | | |  | MÃ ĐỀ 397 | | | | |  | MÃ ĐỀ 289 | | | | |  | MÃ ĐỀ 488 | | | | |
|  | A | B | C | D |  | A | B | C | D |  | A | B | C | D |  | A | B | C | D |
| 1 | X |  |  |  | 1 |  | X |  |  | 1 |  | X |  |  | 1 |  |  |  | X |
| 2 |  | X |  |  | 2 | X |  |  |  | 2 |  | X |  |  | 2 |  | X |  |  |
| 3 |  | X |  |  | 3 | X |  |  |  | 3 |  |  | X |  | 3 |  |  |  | X |
| 4 | X |  |  |  | 4 |  | X |  |  | 4 |  |  | X |  | 4 | X |  |  |  |
| 5 | X |  |  |  | 5 |  |  | X |  | 5 |  |  |  | X | 5 |  |  | X |  |
| 6 |  | X |  |  | 6 |  |  | X |  | 6 |  |  |  | X | 6 |  | X |  |  |
| 7 |  | X |  |  | 7 |  |  |  | X | 7 |  |  | X |  | 7 |  | X |  |  |
| 8 |  |  | X |  | 8 | X |  |  |  | 8 | X |  |  |  | 8 |  |  | X |  |
| 9 |  |  | X |  | 9 |  | X |  |  | 9 |  | X |  |  | 9 |  |  | X |  |
| 10 | X |  |  |  | 10 | X |  |  |  | 10 | X |  |  |  | 10 |  |  |  | X |
| 11 | X |  |  |  | 11 |  |  |  | X | 11 | X |  |  |  | 11 |  |  |  | X |
| 12 |  |  |  | X | 12 |  |  | X |  | 12 |  |  |  | X | 12 |  |  | X |  |
| 13 |  |  | X |  | 13 | X |  |  |  | 13 |  |  | X |  | 13 | X |  |  |  |
| 14 | X |  |  |  | 14 |  |  | X |  | 14 | X |  |  |  | 14 |  | X |  |  |
| 15 |  |  | X |  | 15 | X |  |  |  | 15 |  |  | X |  | 15 | X |  |  |  |
| 16 |  |  |  | X | 16 |  | X |  |  | 16 |  |  |  | X | 16 | X |  |  |  |
| 17 |  |  | X |  | 17 |  |  |  | X | 17 |  | X |  |  | 17 |  |  |  | X |
| 18 |  |  |  | X | 18 |  | X |  |  | 18 |  |  |  | X | 18 |  |  | X |  |
| 19 | X |  |  |  | 19 |  |  |  | X | 19 | X |  |  |  | 19 | X |  |  |  |
| 20 |  |  | X |  | 20 | X |  |  |  | 20 |  |  | X |  | 20 |  |  | X |  |
| 21 |  |  | X |  | 21 |  | X |  |  | 21 | X |  |  |  | 21 | X |  |  |  |
| 22 |  | X |  |  | 22 |  |  | X |  | 22 |  | X |  |  | 22 |  | X |  |  |
| 23 |  |  |  | X | 23 |  |  | X |  | 23 |  |  | X |  | 23 |  |  |  | X |
| 24 |  | X |  |  | 24 |  | X |  |  | 24 | X |  |  |  | 24 |  |  | X |  |
| 25 |  | X |  |  | 25 |  |  |  | X | 25 | X |  |  |  | 25 |  | X |  |  |
| 26 |  |  |  | X | 26 |  | X |  |  | 26 |  |  | X |  | 26 |  |  | X |  |
| 27 |  |  | X |  | 27 |  | X |  |  | 27 |  | X |  |  | 27 | X |  |  |  |
| 28 |  | X |  |  | 28 |  |  |  | X | 28 |  |  |  | X | 28 |  | X |  |  |
| 29 |  |  | X |  | 29 |  |  | X |  | 29 |  | X |  |  | 29 | X |  |  |  |
| 30 | X |  |  |  | 30 |  | X |  |  | 30 |  | X |  |  | 30 | X |  |  |  |
| 31 |  |  |  | X | 31 |  |  | X |  | 31 |  |  |  | X | 31 |  |  |  | X |
| 32 |  | X |  |  | 32 | X |  |  |  | 32 |  |  | X |  | 32 |  | X |  |  |
| 33 |  | X |  |  | 33 |  |  |  | X | 33 |  | X |  |  | 33 |  | X |  |  |
| 34 | X |  |  |  | 34 |  | X |  |  | 34 |  |  | X |  | 34 | X |  |  |  |
| 35 |  |  | X |  | 35 |  | X |  |  | 35 | X |  |  |  | 35 |  |  | X |  |
| 36 |  |  |  | X | 36 | X |  |  |  | 36 |  |  |  | X | 36 |  |  | X |  |
| 37 |  |  | X |  | 37 |  |  | X |  | 37 |  | X |  |  | 37 |  | X |  |  |
| 38 | X |  |  |  | 38 |  |  |  | X | 38 |  | X |  |  | 38 |  |  |  | X |
| 39 |  | X |  |  | 39 |  |  | X |  | 39 | X |  |  |  | 39 |  | X |  |  |
| 40 | X |  |  |  | 40 | X |  |  |  | 40 |  |  | X |  | 40 |  | X |  |  |