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| SỞ GIÁO DỤC VÀ ĐÀO TẠOLONG AN | **KỲ THI HSG TRÊN MÁY TÍNH CẦM TAY NĂM 2015** **MÔN VẬT LÝ 12**  |

**ĐÁP ÁN ĐỀ THI CHÍNH THỨC**

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| mamon | made | cautron | dapan |   | mamon | made | cautron | dapan |
| VLICT | 183 | 1 | C |   | VLICT | 374 | 1 | C |
| VLICT | 183 | 2 | D |   | VLICT | 374 | 2 | A |
| VLICT | 183 | 3 | B |   | VLICT | 374 | 3 | A |
| VLICT | 183 | 4 | C |   | VLICT | 374 | 4 | D |
| VLICT | 183 | 5 | C |   | VLICT | 374 | 5 | D |
| VLICT | 183 | 6 | B |   | VLICT | 374 | 6 | A |
| VLICT | 183 | 7 | A |   | VLICT | 374 | 7 | B |
| VLICT | 183 | 8 | B |   | VLICT | 374 | 8 | D |
| VLICT | 183 | 9 | C |   | VLICT | 374 | 9 | C |
| VLICT | 183 | 10 | C |   | VLICT | 374 | 10 | B |
| VLICT | 183 | 11 | D |   | VLICT | 374 | 11 | D |
| VLICT | 183 | 12 | D |   | VLICT | 374 | 12 | D |
| VLICT | 183 | 13 | A |   | VLICT | 374 | 13 | C |
| VLICT | 183 | 14 | B |   | VLICT | 374 | 14 | C |
| VLICT | 183 | 15 | A |   | VLICT | 374 | 15 | B |
| VLICT | 183 | 16 | A |   | VLICT | 374 | 16 | D |
| VLICT | 183 | 17 | B |   | VLICT | 374 | 17 | A |
| VLICT | 183 | 18 | B |   | VLICT | 374 | 18 | A |
| VLICT | 183 | 19 | D |   | VLICT | 374 | 19 | D |
| VLICT | 183 | 20 | A |   | VLICT | 374 | 20 | D |
| VLICT | 183 | 21 | B |   | VLICT | 374 | 21 | C |
| VLICT | 183 | 22 | D |   | VLICT | 374 | 22 | C |
| VLICT | 183 | 23 | B |   | VLICT | 374 | 23 | A |
| VLICT | 183 | 24 | A |   | VLICT | 374 | 24 | B |
| VLICT | 183 | 25 | A |   | VLICT | 374 | 25 | A |
| VLICT | 183 | 26 | B |   | VLICT | 374 | 26 | D |
| VLICT | 183 | 27 | C |   | VLICT | 374 | 27 | A |
| VLICT | 183 | 28 | B |   | VLICT | 374 | 28 | C |
| VLICT | 183 | 29 | C |   | VLICT | 374 | 29 | B |
| VLICT | 183 | 30 | A |   | VLICT | 374 | 30 | A |
| VLICT | 183 | 31 | A |   | VLICT | 374 | 31 | A |
| VLICT | 183 | 32 | D |   | VLICT | 374 | 32 | B |
| VLICT | 183 | 33 | A |   | VLICT | 374 | 33 | C |
| VLICT | 183 | 34 | C |   | VLICT | 374 | 34 | D |
| VLICT | 183 | 35 | D |   | VLICT | 374 | 35 | B |
| VLICT | 183 | 36 | C |   | VLICT | 374 | 36 | A |
| VLICT | 183 | 37 | C |   | VLICT | 374 | 37 | C |
| VLICT | 183 | 38 | D |   | VLICT | 374 | 38 | B |
| VLICT | 183 | 39 | D |   | VLICT | 374 | 39 | B |
| VLICT | 183 | 40 | A |   | VLICT | 374 | 40 | A |
| VLICT | 183 | 41 | A |   | VLICT | 374 | 41 | B |
| VLICT | 183 | 42 | C |   | VLICT | 374 | 42 | C |
| VLICT | 183 | 43 | D |   | VLICT | 374 | 43 | D |
| VLICT | 183 | 44 | B |   | VLICT | 374 | 44 | C |
| VLICT | 183 | 45 | A |   | VLICT | 374 | 45 | A |
| VLICT | 183 | 46 | C |   | VLICT | 374 | 46 | A |
| VLICT | 183 | 47 | D |   | VLICT | 374 | 47 | C |
| VLICT | 183 | 48 | A |   | VLICT | 374 | 48 | B |
| VLICT | 183 | 49 | D |   | VLICT | 374 | 49 | D |
| VLICT | 183 | 50 | B |   | VLICT | 374 | 50 | B |
| mamon | made | cautron | dapan |   | mamon | made | cautron | dapan |
| VLICT | 216 | 1 | B |   | VLICT | 428 | 1 | C |
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| VLICT | 216 | 8 | B |   | VLICT | 428 | 8 | D |
| VLICT | 216 | 9 | C |   | VLICT | 428 | 9 | C |
| VLICT | 216 | 10 | C |   | VLICT | 428 | 10 | D |
| VLICT | 216 | 11 | C |   | VLICT | 428 | 11 | D |
| VLICT | 216 | 12 | A |   | VLICT | 428 | 12 | B |
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| VLICT | 216 | 15 | A |   | VLICT | 428 | 15 | A |
| VLICT | 216 | 16 | B |   | VLICT | 428 | 16 | A |
| VLICT | 216 | 17 | A |   | VLICT | 428 | 17 | C |
| VLICT | 216 | 18 | A |   | VLICT | 428 | 18 | D |
| VLICT | 216 | 19 | A |   | VLICT | 428 | 19 | C |
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| VLICT | 216 | 21 | D |   | VLICT | 428 | 21 | A |
| VLICT | 216 | 22 | B |   | VLICT | 428 | 22 | B |
| VLICT | 216 | 23 | B |   | VLICT | 428 | 23 | B |
| VLICT | 216 | 24 | A |   | VLICT | 428 | 24 | C |
| VLICT | 216 | 25 | A |   | VLICT | 428 | 25 | A |
| VLICT | 216 | 26 | D |   | VLICT | 428 | 26 | B |
| VLICT | 216 | 27 | B |   | VLICT | 428 | 27 | D |
| VLICT | 216 | 28 | A |   | VLICT | 428 | 28 | A |
| VLICT | 216 | 29 | C |   | VLICT | 428 | 29 | A |
| VLICT | 216 | 30 | D |   | VLICT | 428 | 30 | A |
| VLICT | 216 | 31 | C |   | VLICT | 428 | 31 | D |
| VLICT | 216 | 32 | D |   | VLICT | 428 | 32 | C |
| VLICT | 216 | 33 | C |   | VLICT | 428 | 33 | D |
| VLICT | 216 | 34 | D |   | VLICT | 428 | 34 | B |
| VLICT | 216 | 35 | D |   | VLICT | 428 | 35 | B |
| VLICT | 216 | 36 | D |   | VLICT | 428 | 36 | C |
| VLICT | 216 | 37 | C |   | VLICT | 428 | 37 | A |
| VLICT | 216 | 38 | C |   | VLICT | 428 | 38 | A |
| VLICT | 216 | 39 | A |   | VLICT | 428 | 39 | D |
| VLICT | 216 | 40 | A |   | VLICT | 428 | 40 | B |
| VLICT | 216 | 41 | D |   | VLICT | 428 | 41 | D |
| VLICT | 216 | 42 | C |   | VLICT | 428 | 42 | A |
| VLICT | 216 | 43 | B |   | VLICT | 428 | 43 | C |
| VLICT | 216 | 44 | D |   | VLICT | 428 | 44 | A |
| VLICT | 216 | 45 | C |   | VLICT | 428 | 45 | A |
| VLICT | 216 | 46 | A |   | VLICT | 428 | 46 | C |
| VLICT | 216 | 47 | A |   | VLICT | 428 | 47 | A |
| VLICT | 216 | 48 | B |   | VLICT | 428 | 48 | C |
| VLICT | 216 | 49 | B |   | VLICT | 428 | 49 | D |
| VLICT | 216 | 50 | A |   | VLICT | 428 | 50 | B |

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