**ĐÁP ÁN VẬT LÝ 12**

**Đáp án - Đề số 101**

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| Câu | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| A | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● |
| B | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ○ | ○ | ● | ○ | ○ |
| C | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ |
| D | ○ | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ○ | ● | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ |

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| Câu | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| A | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ● | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ● | ● |
| B | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ |
| C | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ |
| D | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ |

**Đáp án - Đề số 202**

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| Câu | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| A | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ |
| B | ● | ○ | ○ | ○ | ● | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ● | ○ | ● | ● | ○ | ○ | ○ |
| C | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● |
| D | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ |

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| Câu | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| A | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ |
| B | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ● |
| C | ○ | ○ | ○ | ● | ○ | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ○ | ○ |
| D | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ |

**Đáp án - Đề số 303**

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| Câu | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| A | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ |
| B | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| C | ● | ○ | ○ | ● | ● | ● | ○ | ● | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ● | ○ | ● | ○ | ○ | ○ |
| D | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● |

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| Câu | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| A | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ |
| B | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| C | ○ | ○ | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ● | ● | ○ | ○ | ○ | ● | ● | ○ | ● |
| D | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ● | ○ |

**Đáp án - Đề số 404**

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| Câu | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| A |  | ○ | ● | ○ | ● | ○ | ○ | ● | ○ | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● |
| B | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ |
| C | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ● | ● | ○ | ○ | ○ | ○ |
| D | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ |

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| Câu | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| A | ○ | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| B | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ○ | ○ | ● | ○ |
| C | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| D | ○ | ● | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ○ | ● |