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| SỞ GD & ĐT BẮC GIANG  **TRƯỜNG THPT TÂN YÊN SỐ 2** | **ĐÁP ÁN ĐỀ KIỂM TRA ĐỊNH KỲ GIỮA HỌC KỲ II**  **NĂM HỌC 2023 - 2024**  **MÔN: Vật lí 10** |

**I.** **PHẦN CÂU TRẮC NGHIỆM PHƯƠNG ÁN NHIỀU LỰA CHỌN (4,5 điểm).**

*Thí sinh trả lời từ câu 1 đến câu 18. Mỗi câu hỏi thí sinh chỉ chọn một phương án.*

*Mỗi phương án đúng 0,25 điểm*

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| **Code** | **527** | **530** | **533** | **542** | **545** | **548** | **551** | **554** | **557** | **566** | **569** | **572** |
| **1** | C | A | B | C | C | B | B | A | C | B | A | D |
| **2** | C | A | A | C | D | B | B | B | A | D | C | D |
| **3** | A | B | D | B | B | D | B | B | C | D | A | A |
| **4** | A | B | B | C | C | A | A | D | A | C | A | C |
| **5** | A | B | C | C | B | D | D | B | D | A | A | A |
| **6** | B | A | A | C | A | C | C | C | C | D | A | B |
| **7** | D | C | C | A | B | D | C | A | D | B | B | B |
| **8** | B | D | B | D | B | C | C | D | D | D | D | C |
| **9** | D | A | C | D | A | B | A | B | B | C | B | A |
| **10** | B | C | B | D | B | B | B | A | C | B | C | C |
| **11** | D | D | C | B | B | D | D | A | B | D | D | C |
| **12** | D | A | C | B | B | B | A | B | A | B | B | C |
| **13** | C | D | B | B | B | A | A | C | B | C | B | C |
| **14** | B | B | A | D | C | D | A | D | D | A | C | A |
| **15** | D | B | A | A | D | B | A | A | A | D | D | D |
| **16** | B | C | A | D | C | D | C | D | C | B | D | C |
| **17** | A | D | B | C | A | B | C | A | B | D | B | D |
| **18** | A | A | D | D | D | D | B | C | C | A | B | A |

**II.** **PHẦN CÂU TRẮC NGHIỆM ĐÚNG SAI (4 điểm)**

*Thí sinh trả lời từ câu 1 đến câu 4. Trong mỗi ý a), b), c), d) ở mỗi câu, thí sinh chọn đúng hoặc sai.*

*Mỗi ý trả lời đúng 0,25 điểm*

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| **MĐ:270** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  |  | x | x |  | x |  |
| **B** | x |  | x |  |  | s |  | x |
| **C** |  | x | x |  | x |  |  | x |
| **D** | x |  |  | x | x |  | x |  |

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| **MĐ:530** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** |  | x | x |  |  | x | x |  |
| **B** |  | x |  | x | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  |  | x |  | x |  | x |

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| **MĐ:533** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** |  | x | x |  |  | x |  | x |
| **B** |  | x | x |  | x |  |  | x |
| **C** | x |  |  | x | x |  |  | x |
| **D** |  | x | x |  | x |  | x |  |

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| **MĐ:542** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  |  | x | x |  | x |  |
| **B** |  | x | x |  | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  | x |  |  | x | x |  |

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| **MĐ:545** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** |  | x | x |  |  | x |  | x |
| **B** |  | x | x |  | x |  |  | x |
| **C** | x |  |  | x | x |  |  | x |
| **D** |  | x | x |  | x |  | x |  |

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| **MĐ:548** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** |  | x |  | x | x |  | x |  |
| **B** | x |  | x |  | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  | x |  |  | x | x |  |

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| **MĐ:551** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  | x |  | x |  | x |  |
| **B** | x |  |  | x | x |  |  | x |
| **C** | x |  | x |  |  | x |  | x |
| **D** |  | x |  | x | x |  | x |  |

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| **MĐ:554** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  | x |  |  | x | x |  |
| **B** |  | x |  | x | x |  | x |  |
| **C** |  | x |  | x | x |  |  | x |
| **D** | x |  |  | x |  | x |  | x |

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| **MĐ:557** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  |  | x |  | x | x |  |
| **B** | x |  | x |  | x |  |  | x |
| **C** | x |  | x |  | x |  |  | x |
| **D** |  | x |  | x | x |  | x |  |

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| **MĐ:566** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  |  | x | x |  | x |  |
| **B** |  | x | x |  | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  | x |  |  | x | x |  |

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| **MĐ:569** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** | x |  |  | x | x |  | x |  |
| **B** |  | x | x |  | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  | x |  |  | x | x |  |

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| **MĐ:572** | **Câu 1** | | **Câu 2** | | **Câu 3** | | **Câu 4** | |
| **Đ** | **S** | **Đ** | **S** | **Đ** | **S** | **Đ** | **S** |
| **A** |  | x |  | x | x |  | x |  |
| **B** | x |  | x |  | x |  | x |  |
| **C** | x |  |  | x | x |  |  | x |
| **D** | x |  | x |  |  | x | x |  |

**III.** **PHẦN CÂU TRẮC NGHIỆM TRẢ LỜI NGẮN (1,5 điểm)**

*Thí sinh trả lời từ câu 1 đến câu 6*

*Mỗi câu trả lời đúng thí sinh được 0,25 điểm*

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| **Code** | **527** | **530** | **533** | **542** | **545** | **548** | **551** | **554** | **557** | **566** | **569** | **572** |
| 1 | 4800 | 5000 | 8200 | 1000 | 4800 | 5000 | 8200 | 1000 | 4800 | 5000 | 8200 | 1000 |
| 2 | 10 | 20 | 25 | 60 | 10 | 20 | 25 | 60 | 10 | 20 | 25 | 60 |
| 3 | 5 | 8 | 10 | 25 | 5 | 8 | 10 | 25 | 5 | 8 | 10 | 25 |
| 4 | 2 | 4 | 8 | 12 | 2 | 4 | 8 | 12 | 2 | 4 | 8 | 12 |
| 5 | 3 | 4 | 2 | 1 | 3 | 4 | 2 | 1 | 3 | 4 | 2 | 1 |
| 6 | 30 | 75 | 140 | 150 | 30 | 75 | 140 | 150 | 30 | 75 | 140 | 150 |