Sở GD & ĐT TPHCM **ĐỀ KIỂM TRA HỌC KỲ 1 - NĂM HỌC 2016 - 2017**

Trường THPT Phạm Văn Sáng **MÔN VẬT LÝ 12**

**SỐ CÂU : 56; THỜI GIAN : 50 PHÚT**

**ĐỀ CHÍNH THỨC ĐÁP ÁN**

**LƯU Ý:** **HS làm theo Ban đang theo học (Ban Tự nhiên (A) hoặc Ban Xã Hội (B)).**

**Mỗi đề có 24 câu chung và 16 câu riêng - Do đó mỗi đề chỉ có 40 câu.**

**ĐÁP ÁN - MÃ ĐỀ 189**

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| **Câu** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **A** |  |  |  |  |  | x |  |  |  |  |  |  |  | x |  |  |  |  | x |  |
| **B** |  |  | x |  | x |  | x |  |  | x |  | x |  |  | x |  | x |  |  | x |
| **C** |  |  |  | x |  |  |  | x | x |  |  |  | x |  |  |  |  |  |  |  |
| **D** | x | x |  |  |  |  |  |  |  |  | x |  |  |  |  | x |  | x |  |  |

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| **Câu** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **A** | x |  |  | x |  | x |  | x |  |  |  |  | x |  |  |  |  | x |  | x |
| **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |
| **C** |  |  | x |  |  |  | x |  |  | x |  | x |  |  |  |  |  |  | x |  |
| **D** |  | x |  |  | x |  |  |  | x |  | x |  |  | x |  | x |  |  |  |  |

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| **Câu** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** |
| **A** |  |  |  |  |  |  |  | x |  |  | x |  |  |  | x |  |
| **B** |  |  |  | x |  | x |  |  |  | x |  |  | x |  |  |  |
| **C** |  | x |  |  |  |  | x |  |  |  |  | x |  | x |  |  |
| **D** | x |  | x |  | x |  |  |  | x |  |  |  |  |  |  | x |

**ĐÁP ÁN - MÃ ĐỀ 278**

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| **Câu** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **A** |  | x |  |  | x |  | x |  |  | x |  |  |  |  |  | x |  |  | x |  |
| **B** |  |  | x |  |  | x |  |  | x |  |  |  |  | x |  |  |  |  |  |  |
| **C** |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  | x |  |  | x |
| **D** | x |  |  | x |  |  |  | x |  |  | x |  | x |  | x |  |  | x |  |  |

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| **Câu** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **A** |  |  | x |  | x |  |  |  | x |  | x |  |  |  |  | x |  | x |  |  |
| **B** |  | x |  |  |  | x |  | x |  |  |  | x | x |  | x |  |  |  |  |  |
| **C** |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |
| **D** | x |  |  |  |  |  | x |  |  | x |  |  |  | x |  |  | x |  | x |  |

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| **Câu** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** |
| **A** | x |  |  |  | x |  |  |  | x |  |  |  | x |  |  |  |
| **B** |  |  |  | x |  | x |  | x |  |  |  |  |  |  |  |  |
| **C** |  | x |  |  |  |  |  |  |  | x |  | x |  |  | x |  |
| **D** |  |  | x |  |  |  | x |  |  |  | x |  |  | x |  | x |

**ĐÁP ÁN - MÃ ĐỀ 357**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Câu** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **A** |  | x |  | x |  |  | x |  | x |  |  | x |  |  | x |  | x |  |  | x |
| **B** |  |  | x |  |  | x |  |  |  | x |  |  |  | x |  |  |  |  |  |  |
| **C** | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |
| **D** |  |  |  |  | x |  |  | x |  |  | x |  | x |  |  | x |  | x |  |  |

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| **Câu** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **A** |  |  | x |  | x |  |  | x |  |  | x |  |  |  | x |  |  |  | x |  |
| **B** |  | x |  |  |  |  | x |  |  |  |  | x |  | x |  |  |  |  |  |  |
| **C** | x |  |  |  |  |  |  |  |  | x |  |  | x |  |  | x |  | x |  |  |
| **D** |  |  |  | x |  | x |  |  | x |  |  |  |  |  |  |  | x |  |  | x |

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| **Câu** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** |
| **A** | x |  |  |  | x |  |  | x |  |  |  | x |  |  |  |  |
| **B** |  |  |  |  |  |  | x |  |  | x |  |  |  |  | x |  |
| **C** |  |  | x |  |  |  |  |  |  |  |  |  | x |  |  | x |
| **D** |  | x |  | x |  | x |  |  | x |  | x |  |  | x |  |  |

**ĐÁP ÁN - MÃ ĐỀ 498**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Câu** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **A** |  |  |  | x |  |  |  |  |  |  | x |  |  | x |  |  | x |  |  | x |
| **B** | x |  | x |  |  | x |  |  | x |  |  |  |  |  |  | x |  |  |  |  |
| **C** |  |  |  |  |  |  | x |  |  | x |  |  | x |  | x |  |  | x |  |  |
| **D** |  | x |  |  | x |  |  | x |  |  |  | x |  |  |  |  |  |  | x |  |

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| **Câu** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **A** |  |  | x |  |  | x |  | x |  | x |  |  |  |  |  |  | x |  | x |  |
| **B** |  |  |  |  |  |  |  |  | x |  | x |  | x |  | x |  |  | x |  | x |
| **C** |  | x |  | x |  |  | x |  |  |  |  |  |  | x |  | x |  |  |  |  |
| **D** | x |  |  |  | x |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |

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| **Câu** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** |
| **A** |  |  | x |  | x |  |  |  | x |  |  |  | x |  | x |  |
| **B** |  |  |  |  |  | x | x |  |  |  | x |  |  |  |  |  |
| **C** |  | x |  | x |  |  |  | x |  | x |  | x |  |  |  | x |
| **D** | x |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |

**DANH SÁCH STT CÂU HỎI CÁC ĐỀ SẮP THEO STT CỦA MÃ ĐỀ 189**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **189** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **278** | **22** | **4** | **23** | **18** | **11** | **15** | **9** | **1** | **19** | **12** | **21** | **5** | **10** | **3** | **8** | **6** | **7** | **16** | **17** | **24** |
| **357** | **15** | **20** | **6** | **12** | **10** | **16** | **5** | **17** | **21** | **9** | **7** | **1** | **18** | **19** | **13** | **24** | **8** | **4** | **11** | **2** |
| **498** | **4** | **17** | **5** | **14** | **8** | **6** | **9** | **19** | **20** | **12** | **1** | **10** | **24** | **13** | **2** | **23** | **3** | **22** | **21** | **16** |

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| **189** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **278** | **13** | **2** | **20** | **14** | **31** | **32** | **33** | **26** | **28** | **25** | **38** | **40** | **35** | **34** | **36** | **29** | **30** | **27** | **37** | **39** |
| **357** | **23** | **3** | **14** | **22** | **34** | **33** | **29** | **40** | **31** | **35** | **28** | **32** | **26** | **37** | **39** | **25** | **30** | **36** | **38** | **27** |
| **498** | **11** | **7** | **18** | **15** | **39** | **40** | **37** | **31** | **27** | **26** | **34** | **33** | **36** | **25** | **29** | **28** | **35** | **30** | **32** | **38** |

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| **189** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** |
| **278** | **53** | **46** | **52** | **43** | **42** | **51** | **49** | **54** | **44** | **47** | **45** | **55** | **56** | **41** | **50** | **48** |
| **357** | **48** | **50** | **51** | **42** | **56** | **46** | **43** | **45** | **47** | **44** | **41** | **49** | **52** | **54** | **55** | **53** |
| **498** | **43** | **44** | **52** | **51** | **46** | **47** | **55** | **45** | **54** | **56** | **50** | **48** | **42** | **53** | **49** | **41** |