|  |  |
| --- | --- |
| **SỞ GIÁO DỤC VÀ ĐÀO TẠO****NAM ĐỊNH** | KỲ THI THỬ TỐT NGHIỆP LỚP 12 THPTNĂM HỌC 2022-2023**HƯỚNG DẪN CHẤM MÔN VẬT LÍ LỚP 12** |

**ĐÁP ÁN CÁC MÃ ĐỀ (DẠNG 1)**

**Mã đề [402]**

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

**Mã đề [404]**

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

**Mã đề [406]**

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

**Mã đề [408]**

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

*Lưu ý:* Mỗi câu đúng được 0,25 điểm (40 câu x 0,25 điểm = 10 điểm)

**ĐÁP ÁN CÁC MÃ ĐỀ (DẠNG 2)**

*Lưu ý:* Mỗi câu đúng được 0,25 điểm (40 câu x 0,25 điểm = 10 điểm)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Câu** | **402** | **404** | **406** | **408** |
| **1** | **C** | **A** | **A** | **B** |
| **2** | **C** | **B** | **C** | **A** |
| **3** | **D** | **A** | **D** | **B** |
| **4** | **B** | **B** | **D** | **C** |
| **5** | **B** | **D** | **C** | **B** |
| **6** | **A** | **D** | **D** | **A** |
| **7** | **B** | **D** | **A** | **A** |
| **8** | **D** | **C** | **D** | **D** |
| **9** | **B** | **C** | **B** | **D** |
| **10** | **A** | **D** | **D** | **A** |
| **11** | **A** | **C** | **D** | **B** |
| **12** | **D** | **D** | **A** | **B** |
| **13** | **D** | **B** | **C** | **C** |
| **14** | **C** | **A** | **C** | **C** |
| **15** | **C** | **D** | **C** | **A** |
| **16** | **A** | **B** | **A** | **D** |
| **17** | **C** | **C** | **B** | **D** |
| **18** | **B** | **B** | **C** | **C** |
| **19** | **C** | **C** | **D** | **C** |
| **20** | **A** | **A** | **C** | **C** |
| **21** | **A** | **B** | **B** | **A** |
| **22** | **B** | **D** | **C** | **C** |
| **23** | **A** | **C** | **B** | **B** |
| **24** | **A** | **A** | **B** | **D** |
| **25** | **C** | **C** | **D** | **C** |
| **26** | **B** | **A** | **D** | **A** |
| **27** | **C** | **B** | **B** | **B** |
| **28** | **C** | **C** | **C** | **D** |
| **29** | **C** | **A** | **B** | **D** |
| **30** | **D** | **B** | **C** | **B** |
| **31** | **D** | **C** | **A** | **C** |
| **32** | **D** | **B** | **A** | **A** |
| **33** | **A** | **C** | **B** | **D** |
| **34** | **B** | **A** | **A** | **D** |
| **35** | **D** | **B** | **A** | **A** |
| **36** | **D** | **A** | **B** | **C** |
| **37** | **B** | **A** | **A** | **B** |
| **38** | **D** | **D** | **B** | **A** |
| **39** | **B** | **D** | **D** | **D** |
| **40** | **A** | **D** | **A** | **B** |

**----------HẾT---------**