|  |  |
| --- | --- |
| **SỞ GD & ĐT NINH BÌNH THPT KIM SƠN A** | **HƯỚNG DẪN CHẤM**  **ĐỀ THI THỬ TỐT NGHIỆP THPT LẦN 1 KHỐI 12 NĂM HỌC 2022 – 2023**  **MÔN: VẬT LÍ  (*HDC gồm có 4 mã đề , 1 trang)*** |

**MÃ ĐỀ 121**

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

**MÃ ĐỀ 122**

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

**MÃ ĐỀ 123**

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

**MÃ ĐỀ 124**

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