**ĐÁP ÁN KTTT LẦN 1-HKII- MÔN LÝ - KHỐI 12 ( 2017 – 2018 )**

**MÃ ĐỀ 135**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |  |  |  |  |  |  |
| **B** | x |  | x |  |  |  |  |  | x |  | x |  |  |  |  |  |  | x |  | x |
| **C** |  | x |  |  |  |  | x |  |  | x |  |  | x |  |  | x |  |  | X |  |
| **D** |  |  |  |  | X |  |  | x |  |  |  |  |  |  | x |  | x |  |  |  |

**MÃ ĐỀ 257**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | x |  |  |  |  |
| **C** |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  | x |  |  |
| **D** |  | x |  | x |  |  | x |  | x |  |  |  |  | x |  |  | x |  | x |  |

**MÃ ĐỀ 386**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| **C** |  | x |  |  |  |  |  |  | x | X | x |  |  |  | x |  |  |  | x |  |
| **D** | x |  | x |  |  |  | x |  |  |  |  | X |  |  |  |  | x |  |  |  |

**MÃ ĐỀ 459**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |  |
| **D** |  |  |  | x |  | x |  |  |  | x |  | x |  |  |  | x |  | x |  |  |

**TỰ LUẬN**

|  |  |  |
| --- | --- | --- |
| **Câu** | Đápán | Điểm |
| **1** |  + v = -20πsin(4πt) ( cm/s) + t = 2/3 (s) : v = -10π( cm/s) | 0,250,25 |
| **2** |  +  = 0,3 ( J)  | 0,25x2 |
| **3** |  +  + < A Fmin = 0 | 0,250,25 |
| **4** |  + Tìm ATH = 8cm +  | 0,250,25 |
| **5** |  + Tìmđược= 0,04 ( cm ) + l0 = l - = 42 (cm) | 0,250,25 |
| **6** |  +  +  | 0,250,25 |
| **7** |  +  => | 0,25x2 |
| **8** |  + Tìm +  | 0,250,25 |

***Bàilàmthiếuđơnvị ở dápsốcuốicùng – 0,25đ/1 lầnvà -0,5đ chotoànbài***

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**DANH SÁCH STT CÂU HỎI CÁC ĐỀ SẮP THEO STT CỦA MÃ ĐỀ 135**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **135** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **257** | **16** | **10** | **13** | **7** | **2** | **12** | **14** | **8** | **17** | **5** | **18** | **6** | **20** | **11** | **1** | **4** | **9** | **19** | **15** | **3** |
| **386** | **16** | **20** | **17** | **13** | **12** | **9** | **7** | **3** | **11** | **14** | **19** | **8** | **15** | **2** | **6** | **5** | **1** | **18** | **10** | **4** |
| **459** | **6** | **1** | **16** | **20** | **10** | **11** | **5** | **18** | **8** | **12** | **7** | **13** | **19** | **15** | **4** | **2** | **3** | **9** | **17** | **14** |