SỞ GD & ĐT TP. HỒ CHÍ MINH **ĐÁP ÁN THỰC TẬP THI THPT QUỐC GIA NĂM 2018**

 **CỤM 7 Bài thi môn : KHOA HỌC TỰ NHIÊN**

**ĐÁP ÁN CHÍNH THỨC Môn thành phần : VẬT LÝ**

**ĐÁP ÁN TỪ MÃ ĐỀ 201 TỚI MÃ ĐỀ 204**

|  |  |  |  |
| --- | --- | --- | --- |
| **MÃ ĐỀ 201** | **MÃ ĐỀ 202** | **MÃ ĐỀ 203** | **MÃ ĐỀ 204** |
| 1C | 1B | 1B | 1D |
| 2A | 2A | 2C | 2C |
| 3B | 3C | 3B | 3A |
| 4B | 4D | 4D | 4B |
| 5A | 5C | 5A | 5C |
| 6B | 6A | 6D | 6A |
| 7D | 7C | 7C | 7C |
| 8A | 8A | 8D | 8A |
| 9B | 9D | 9A | 9C |
| 10D | 10B | 10B | 10B |
| 11A | 11A | 11A | 11C |
| 12C | 12C | 12D | 12A |
| 13B | 13C | 13B | 13D |
| 14A | 14B | 14A | 14B |
| 15B | 15D | 15C | 15D |
| 16A | 16C | 16C | 16C |
| 17C | 17C | 17B | 17A |
| 18A | 18D | 18A | 18B |
| 19C | 19B | 19D | 19C |
| 20A | 20D | 20B | 20B |
| 21C | 21A | 21C | 21C |
| 22B | 22D | 22B | 22B |
| 23C | 23B | 23C | 23A |
| 24A | 24A | 24B | 24C |
| 25C | 25B | 25D | 25B |
| 26B | 26A | 26A | 26D |
| 27D | 27C | 27C | 27C |
| 28B | 28B | 28D | 28D |
| 29A | 29D | 29A | 29C |
| 30D | 30B | 30C | 30C |
| 31B | 31C | 31B | 31A |
| 32C | 32A | 32D | 32D |
| 33D | 33A | 33A | 33A |
| 34A | 34D | 34D | 34D |
| 35C | 35A | 35B | 35A |
| 36D | 36D | 36D | 36B |
| 37B | 37B | 37D | 37A |
| 38D | 38D | 38C | 38D |
| 39B | 39C | 39D | 39A |
| 40A | 40D | 40C | 40B |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gốc** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **201** | **10** | **7** | **12** | **8** | **6** | **17** | **15** | **20** | **3** | **11** | **2** | **19** | **5** | **13** | **18** | **9** | **14** | **4** | **1** | **16** |
| **202** | **20** | **3** | **12** | **13** | **18** | **4** | **1** | **9** | **5** | **19** | **11** | **2** | **15** | **17** | **16** | **10** | **14** | **7** | **6** | **8** |
| **203** | **9** | **2** | **17** | **1** | **14** | **4** | **5** | **11** | **3** | **12** | **15** | **7** | **10** | **19** | **20** | **16** | **13** | **18** | **8** | **6** |
| **204** | **1** | **2** | **20** | **15** | **8** | **10** | **17** | **16** | **6** | **18** | **3** | **13** | **7** | **9** | **12** | **11** | **4** | **14** | **19** | **5** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gốc** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| **201** | **25** | **22** | **30** | **27** | **28** | **29** | **23** | **24** | **26** | **21** | **31** | **35** | **39** | **34** | **36** | **37** | **33** | **38** | **32** | **40** |
| **202** | **28** | **27** | **23** | **21** | **25** | **29** | **26** | **24** | **30** | **22** | **33** | **35** | **38** | **34** | **40** | **31** | **36** | **37** | **39** | **32** |
| **203** | **30** | **22** | **28** | **24** | **26** | **23** | **27** | **25** | **29** | **21** | **40** | **33** | **38** | **36** | **39** | **37** | **32** | **31** | **35** | **34** |
| **204** | **24** | **23** | **22** | **27** | **21** | **26** | **29** | **30** | **28** | **25** | **37** | **36** | **34** | **32** | **33** | **38** | **39** | **31** | **40** | **35** |