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 : HOÁ HỌC**

**ĐÁP ÁN TỪ MÃ ĐỀ 301 TỚI MÃ ĐỀ 304**

|  |  |  |  |
| --- | --- | --- | --- |
| **MÃ ĐỀ 301** | **MÃ ĐỀ 302** | **MÃ ĐỀ 303** | **MÃ ĐỀ 304** |
| 41D | 41B | 41A | 41C |
| 42C | 42D | 42A | 42C |
| 43A | 43B | 43C | 43B |
| 44B | 44D | 44B | 44C |
| 45C | 45B | 45C | 45D |
| 46B | 46C | 46A | 46A |
| 47D | 47A | 47C | 47C |
| 48A | 48C | 48D | 48A |
| 49D | 49A | 49A | 49A |
| 50A | 50D | 50B | 50C |
| 51C | 51C | 51B | 51D |
| 52A | 52D | 52A | 52C |
| 53C | 53C | 53B | 53A |
| 54D | 54D | 54A | 54C |
| 55A | 55A | 55C | 55B |
| 56D | 56C | 56B | 56B |
| 57B | 57A | 57B | 57C |
| 58A | 58D | 58D | 58A |
| 59D | 59C | 59B | 59B |
| 60B | 60A | 60D | 60A |
| 61C | 61B | 61C | 61B |
| 62A | 62A | 62A | 62D |
| 63D | 63C | 63C | 63B |
| 64A | 64B | 64D | 64C |
| 65C | 65D | 65B | 65D |
| 66A | 66C | 66D | 66A |
| 67C | 67C | 67C | 67C |
| 68A | 68D | 68B | 68B |
| 69D | 69B | 69C | 69C |
| 70B | 70C | 70B | 70A |
| 71A | 71B | 71C | 71C |
| 72B | 72C | 72A | 72D |
| 73D | 73C | 73C | 73B |
| 74B | 74B | 74B | 74D |
| 75D | 75C | 75C | 75B |
| 76B | 76B | 76D | 76A |
| 77C | 77C | 77B | 77D |
| 78A | 78A | 78C | 78B |
| 79C | 79C | 79B | 79C |
| 80A | 80A | 80A | 80B |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gốc** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** |
| **301** | **45** | **49** | **43** | **47** | **52** | **48** | **51** | **44** | **41** | **46** | **50** | **42** | **55** | **58** | **57** | **61** | **54** | **59** | **56** | **60** |
| **302** | **48** | **49** | **43** | **45** | **50** | **52** | **46** | **44** | **47** | **51** | **41** | **42** | **60** | **53** | **55** | **62** | **56** | **58** | **59** | **54** |
| **303** | **44** | **52** | **51** | **42** | **43** | **46** | **41** | **45** | **50** | **49** | **47** | **48** | **59** | **61** | **58** | **53** | **54** | **57** | **62** | **60** |
| **304** | **47** | **52** | **45** | **50** | **42** | **51** | **43** | **48** | **49** | **44** | **41** | **46** | **62** | **55** | **56** | **54** | **57** | **53** | **58** | **59** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gốc** | **61** | **62** | **63** | **64** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| **301** | **62** | **53** | **67** | **69** | **68** | **66** | **63** | **65** | **70** | **64** | **71** | **79** | **80** | **77** | **75** | **73** | **76** | **78** | **72** | **74** |
| **302** | **61** | **57** | **67** | **71** | **70** | **65** | **69** | **63** | **66** | **64** | **68** | **75** | **78** | **73** | **72** | **74** | **76** | **77** | **79** | **80** |
| **303** | **55** | **56** | **69** | **67** | **64** | **70** | **66** | **63** | **71** | **68** | **65** | **74** | **76** | **73** | **78** | **72** | **80** | **79** | **75** | **77** |
| **304** | **60** | **61** | **69** | **70** | **71** | **63** | **64** | **68** | **65** | **67** | **66** | **75** | **80** | **77** | **73** | **74** | **78** | **79** | **72** | **76** |