**Шифр\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХII Всероссийской олимпиады школьников по биологии. 2016-2017 уч. год.**

**7 класс**

**Задание 1. (20 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | в | г | г | г | а | б | г | а | б | в |
| **11-20** | б | а | г | г | б | г | б | в | б | г |

**Задание 2. (10 баллов)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| 1-5 | б | в | г | в | а |

**Задание 3. (5 баллов)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** |
| прав.  «ДА» |  | + | + |  |  |
| прав.  «НЕТ» | + |  |  | + | + |

**Задание 4. (2,5 балла)**

**1. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Название черепахи** | **1** | **2** | **3** | **4** | **5** |
| **Условия обитания** | **В** | **Б** | **А** | **А** | **Б** |

**Шифр\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХII Всероссийской олимпиады школьников по биологии. 2016-2017 уч. год.**

**8 класс**

**Задание 1. (30 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | в | г | г | г | а | б | г | а | б | в |
| **11-20** | б | а | г | г | б | г | б | в | б | г |
| **21-30** | в | б | в | в | в | г | в | б | в | в |

**Задание 2. (10 баллов)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| 1-5 | б | в | г | в | а |

**Задание 3. (10 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| прав.  «ДА» |  | + | + |  |  |  | + | + |  |  |
| прав.  «НЕТ» | + |  |  | + | + | + |  |  | + | + |

**Задание 4. (5 баллов)**

**1. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Название черепахи** | **1** | **2** | **3** | **4** | **5** |
| **Условия обитания** | **В** | **Б** | **А** | **А** | **Б** |

**2. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Растение** | **А** | **Б** | **В** | **Г** | **Д** |
| **Корни** | **4** | **5** | **1** | **2** | **3** |

**Шифр\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХII Всероссийской олимпиады школьников по биологии. 2016-2017 уч. год.**

**9 класс**

**Задание 1. ( 40 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | в | в | в | б | а | б | г | в | а | г |
| **11-20** | в | г | г | г | а | б | г | а | б | в |
| **21-30** | б | а | г | г | б | г | б | в | б | г |
| **31-40** | в | б | в | в | в | г | в | б | в | в |

**Задание 2. ( 20 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1-10 | г | г | б | г | в | б | в | г | в | а |

**Задание 3. (15 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| прав.  «ДА» |  |  |  |  | + |  | + | + |  |  |  | + | + |  |  |
| прав.  «НЕТ» | + | + | + | + |  | + |  |  | + | + | + |  |  | + | + |

**Задание 4. (7,5 балла)**

**1. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Название черепахи** | **1** | **2** | **3** | **4** | **5** |
| **Условия обитания** | **В** | **Б** | **А** | **А** | **Б** |

**2. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Растение** | **А** | **Б** | **В** | **Г** | **Д** |
| **Корни** | **4** | **5** | **1** | **2** | **3** |

**3. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Значение витамина** | **1** | **2** | **3** | **4** | **5** |
| **Вид витамина** | **С** | **А** | **Д** | **С** | **А** |

**Шифр\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХII Всероссийской олимпиады школьников по биологии. 2016-2017 уч. год.**

**10 класс**

**Задание 1. (50 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | а | б | в | а | в | а | в | а | б | б |
| **11-20** | в | в | в | б | а | б | г | в | а | г |
| **21-30** | в | г | г | г | а | б | г | а | б | в |
| **31-40** | б | а | г | г | б | г | б | в | б | г |
| **41-50** | в | б | в | в | в | г | в | б | в | в |

**Задание 2. (20 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1-10 | г | г | б | г | в | б | в | г | в | а |

**Задание 3. (20 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | | **3** | | **4** | **5** | | **6** | | **7** | **8** | **9** | **10** | **11** | | **12** | **13** | **14** | **15** |
| прав.  «ДА» | + |  | |  | | + |  | |  | |  |  |  | + |  | | + | + |  |  |
| прав.  «НЕТ» |  | + | | + | |  | + | | + | | + | + | + |  | + | |  |  | + | + |
| № | **16** | | **17** | | **18** | **19** | | **20** | |  | | | | | |
| прав.  «ДА» |  | | + | | + |  | |  | |
| прав.  «НЕТ» | + | |  | |  | + | | + | |

**Задание 4. (9,5 балла)**

**1. (мах. 2,5 балла)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Организм** | **А** | **Б** | **В** | **Г** |
| **Число хромосом** | **3** | **1** | **4** | **2** |

**2. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Название черепахи** | **1** | **2** | **3** | **4** | **5** |
| **Условия обитания** | **В** | **Б** | **А** | **А** | **Б** |

**3. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Растение** | **А** | **Б** | **В** | **Г** | **Д** |
| **Корни** | **4** | **5** | **1** | **2** | **3** |

**4. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Значение витамина** | **1** | **2** | **3** | **4** | **5** |
| **Вид витамина** | **С** | **А** | **Д** | **С** | **А** |

**Шифр\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХII Всероссийской олимпиады школьников по биологии. 2016-2017 уч. год.**

**11 класс**

**Задание 1. (60 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | а | г | в | а | а | б | г | а | г | г |
| **11-20** | а | б | в | а | в | а | в | а | б | б |
| **21-30** | в | в | в | б | а | б | г | в | а | г |
| **31-40** | в | г | г | г | а | б | г | а | б | в |
| **41-50** | б | а | г | г | б | г | б | в | б | г |
| **51-60** | в | б | в | в | в | г | в | б | в | в |

**Задание 2. (30 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1-10 | б | г | а | в | а | г | г | б | г | в |
| 11-15 | б | в | г | в | а |  | | | | |

**Задание 3. (25 баллов)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| прав.  «ДА» | + | + |  |  |  | + |  |  | + |  |  |  |  |  | + |
| прав.  «НЕТ» |  |  | + | + | + |  | + | + |  | + | + | + | + | + |  |
|  | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** |  |  | | | |
| прав.  «ДА» |  | + | + |  |  |  | + | + |  |  |
| прав.  «НЕТ» | + |  |  | + | + | + |  |  | + | + |

**Задание 4. (15 баллов)**

**1. (мах. 2 балла)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Организм** | **А** | **Б** | **В** | **Г** |
| **Число хромосом** | **3** | **1** | **4** | **2** |

**2. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Название черепахи** | **1** | **2** | **3** | **4** | **5** |
| **Условия обитания** | **В** | **Б** | **А** | **А** | **Б** |

**3. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Растение** | **А** | **Б** | **В** | **Г** | **Д** |
| **Корни** | **4** | **5** | **1** | **2** | **3** |

**4. (мах. 2,5 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Значение витамина** | **1** | **2** | **3** | **4** | **5** |
| **Вид витамина** | **С** | **А** | **Д** | **С** | **А** |

**5. (мах. 5,5 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Фазы цикла** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Последовательность** | **А** | **В** | **Д** | **Е** | **Б** | **Г** |