**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20 уч. год  
5 класс [мах. 28 баллов]**

**Часть 1. [10 баллов]**

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

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-10** | б | б | в | а | в |

**Часть 3. [5 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** |
| прав. "ДА" |  |  | х | х |  |
| неправ "НЕТ" | х | х |  |  | х |

**Часть 4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Признаки | **А** | **Б** | **В** | **Г** | **Д** | **Е** |
| Царства | 2 | 1 | 2 | 1 | 2 | 1 |

**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20 уч. год  
6 класс [мах. 29 баллов]**

**Часть 1. [10 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | Б | А | Г | А | В | Б | В | В | Г | А |

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-10** | Б | Б | Г | Г | А |

**Часть 3. [5 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** |
| прав. "ДА" | х | х | х |  |  |
| неправ "НЕТ" |  |  |  | х | х |

**Часть 4. [макс. 4 балла, по 0,5]**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Организмы | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| Категория, признаки | Б | А | А | Б | Б | Б | В | В |

**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20уч. год  
7 класс [мах. 33 балла]**

**Часть 1. [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | А | Б | А | В | Г | Б | В | Г | А | В |
| **11 - 15** | В | А | В | А | В |  | | | | |

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-10** | Г | Г | А | Г | Г |

**Часть 3. [5 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** |
| прав. "ДА" |  |  | х |  |  |
| неправ "НЕТ" | х | х |  | х | х |

**Часть 4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Растения | А | Б | В | Г | Д | Е |
| Вид | 2 | 6 | 5 | 4 | 2 | 1 |

**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20 уч. год  
8 класс [мах. 35 баллов]**

**Часть 1. [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | В | А | Г | Б | А | Б | В | В | А | Б |
| **11 - 15** | Г | А | А | Б | Г |  | | | | |

**Часть 2. [10 баллов]**

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

**Часть 3. [5 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** |
| прав. "ДА" |  |  |  | х | х |
| неправ "НЕТ" | х | х | х |  |  |

**Часть 4. Задание 1 [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Структура** | **А** | **Б** | **В** | **Г** | **Д** |
| **Обозначение** | 1 | 3 | 4 | 5 | 2 |

**Задание 2. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Животное** | **А** | **Б** | **В** | **Г** | **Д** |
| **Органы дыхания** | 3 | 2 | 2 | 1 | 2 |

**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20 уч. год  
9 класс [мах. 55 баллов]**

**Часть 1. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | Б | В | Б | Б | Г | Б | Б | Г | В | А |
| **11 – 20** | А | Б | Б | А | В | В | В | В | А | Б |

**Часть 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | А | Г | В | Б | Г | А | А | Г | Б | Г |

**Часть 3. [10 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| прав. "ДА" |  | х |  | х |  |  |  |  |  |  |
| неправ "НЕТ" | х |  | х |  | х | х | х | х | х | х |

**Часть 4. Задание 1 [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Признаки голодания** | **А** | **Б** | **В** | **Г** |
| **Химический элемент** | 3 | 4 | 1 | 2 |

**Задание 2. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Система органов** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Заболевание** | В | А | Д | Г | Б | Е |

**Матрица ответов   
на задания теоретического тура школьного этапа   
XXХVI Всероссийской олимпиады школьников по биологии. 2019-20 уч. год  
10 класс [мах. 65 баллов]**

**Часть 1. [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | А | Г | Б | В | Б | А | В | В | А | А |
| **11 – 20** | Б | Г | Г | Г | А | А | Б | Б | Г | В |
| **21 - 25** | В | В | Г | Г | Б |  | | | | |

**Часть 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | А | А | А | Б | Г | Б | Г | А | А | Г |

**Часть 3. [10 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| прав. "ДА" | х |  | х |  |  | х | х | х | х |  |
| неправ "НЕТ" |  | х |  | х | х |  |  |  |  | х |

**Часть 4. Задание 1 [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Органоид** | **А** | **Б** | **В** | **Г** | **Д** | **Е** |
| **Тип органоида** | 1 | 2 | 1 | 1 | 1 | 2 |

**Задание 2. [5 балла]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Вид растения | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| Семейство | Г | Д | Б | В | А | В | Г | Д | В | А |

**Задание 3. [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Гормоны | **А** | **Б** | **В** | **Г** |
| Органы | 4 | 2 | 1 | 3 |

**Матрица ответов   
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11 класс [мах. 75,5 баллов]**

**Часть 1. [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | А | Б | Г | А | Б | Б | Г | В | В | Б |
| **11 – 20** | Г | Б | А | Г | Б | Г | А | Б | Г | В |
| **21 – 30** | Г | В | А | В | Б | В | В | В | Б | В |

**Часть 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | Г | В | А | Г | В | Г | А | Г | А | А |

**Часть 3. [10 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| прав. "ДА" |  |  | **х** | **х** |  | **х** |  | х | х |  |
| неправ "НЕТ" | х | х |  |  | х |  | х |  |  | х |

**Часть 4. Задание 1 [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Признак** | **А** | **Б** | **В** | **Г** | **Д** | **Е** |
| **Путь эволюции** | 1 | 1 | 2 | 2 | 2 | 1 |

**Задание 2. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Биологическое явление** | **А** | **Б** | **В** | **Г** | **Д** | **Е** |
| **Значение** | 1 | 2 | 2 | 1 | 2 | 1 |

**Задание 3. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Обмен веществ** | **А** | **Б** | **В** | **Г** | **Д** |
| **Организмы** | 1 | 2 | 2 | 1 | 1 |

**Задание 4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Характеристика мутации** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Типы мутаций** | ББ | ВВ | ББ | АА | ВВ | АА |

**Задание 5**. **[4 балла]**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Органоиды клетки** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| **Функции** | ЗЗ | ББ | ВВ | ЖЖ | ЕЕ | АА | ГГ | ДД |