#  Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

**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** |  |  |  |  |  |  |  |  |  |  |

**Часть 2. [10 баллов]**

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

**Часть 3. [5 баллов]**

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

**Часть 4. [3 балла]**

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

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

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 Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Часть 1. [10 баллов]**

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

**Часть 2. [10 баллов]**

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

**Часть 3. [5 баллов]**

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

**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 |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

#  Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Часть 1. [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** |  |  |  |  |  |  |  |  |  |  |
| **11 - 15** |  |  |  |  |  |  |

**Часть 2. [10 баллов]**

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

**Часть 3. [5 баллов]**

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

**Часть 4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Растение  | **А** | **Б** | **В** | **Г** | **Д** | **Е** |
| Вид  |  |  |  |  |  |  |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

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# Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

**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** |  |  |  |  |  |  |  |  |  |  |
| **11 - 15** |  |  |  |  |  |  |

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-5** |  |  |  |  |  |

**Часть 3. [5 баллов]**

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

**Часть 4. Задание 1 [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Структура**  | **А** | **Б** | **В** | **Г** | **Д** |
| **Обозначение**  |  |  |  |  |  |

**Задание 2. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Животное**  | **А** | **Б** | **В** | **Г** | **Д** |
| **Органы дыхания** |  |  |  |  |  |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

#  Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

**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** |  |  |  |  |  |  |  |  |  |  |
| **11 – 20** |  |  |  |  |  |  |  |  |  |  |

**Часть 2. [20 баллов]**

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

**Часть 3. [10 баллов]**

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

**Часть 4. Задание 1 [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Признаки голодания** | **А** | **Б** | **В** | **Г** |
| **Химический элемент**  |  |  |  |  |

**Задание 2. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Система органов** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Заболевание**  |  |  |  |  |  |  |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

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# Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

**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. [25 баллов]**

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

**Часть 2. [20 баллов]**

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

**Часть 3. [10 баллов]**

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

**Часть 4. Задание 1 [3 балла]**

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

**Задание 2. [3 балла]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Растение**  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **Семейство**  |  |  |  |  |  |  |  |  |  |  |

**Задание 3. [2, балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Гормоны**  | **А** | **Б** | **В** | **Г** |
| **Органы** |  |  |  |  |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Итого \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ баллов**

#  Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов
на задания теоретического тура школьного этапа

11 класс [мах. 75,5 баллов]**

**Часть 1. [30 баллов]**

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

**Часть 2. [20 баллов]**

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

**Часть 3. [10 баллов]**

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

**Часть 4. Задание 1 [3 балла]**

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

**Задание 2. [3 балла]**

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

**Задание 3. [2,5 балла]**

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

**Задание 4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Характеристика мутации** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Типы мутаций** | Б | В | Б | А | В | А |

**Задание 5**. **[4 балла]**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Органоиды клетки** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| **Функции** | З | Б | В | Ж | Е | А | Г | Д |

**Проверил Ф.И.О. \_\_\_\_\_\_\_\_\_\_\_ Перепроверил Ф.И.О.\_\_\_\_\_\_\_\_\_\_\_\_\_\_Итого \_\_\_\_\_ баллов**