**Ответы и критерии оценивания заданий муниципального этапа**

**Всероссийской олимпиады школьников по биологии 2018 год   
11 класс (max – 115 баллов)**

**Часть 1.**

**max 60 баллов**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№ вопросов** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | **в** | **а** | **б** | **а** | **г** | **в** | **в** | **б** | **в** | **б** |
| **11-20** | **в** | **в** | **г** | **б** | **б** | **а** | **б** | **г** | **в** | **а** |
| **21-30** | **а** | **г** | **б** | **а** | **в** | **б** | **б** | **в** | **г** | **б** |
| **31-40** | **г** | **г** | **г** | **б** | **в** | **в** | **г** | **б** | **а** | **б** |
| **41-50** | **б** | **в** | **г** | **а** | **а** | **в** | **а** | **в** | **а** | **б** |
| **51-60** | **в** | **а** | **б** | **б** | **б** | **а** | **г** | **г** | **г** | **б** |

**Часть 2.**

**max 15 баллов**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **д** | **б** | **г** | **б** | **б** | **в** | **б** | **б** | **в** | **а** | **б** | **д** | **г** | **б** | **а** |

**Часть 3.**

**max 25 баллов**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | | **8** | **9** | **10** |
| **да** |  | **+** |  | + | + |  |  | |  | **+** | **+** |
| **нет** | + |  | **+** |  |  | **+** | + | | **+** |  |  |
|  | **11** | **12** | **13** | **14** | **15** | **16** | | **17** | **18** | **19** | **20** |
| **да** | + |  | + |  |  |  | |  |  |  | + |
| **нет** |  | + |  | + | + | + | | + | + | + |  |
|  | **21** | **22** | **23** | **24** | **25** |  | |  |  |  |  |
| **да** |  | + | + |  | + |  | |  |  |  |  |
| **нет** | + |  |  | + |  |  | |  |  |  |  |

**Часть 4.**

**max15 баллов**

**1. (3 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Характеристики** | 1 | 2 | 3 | 4 | 5 | 6 |
| **Отделы растений** | А | Б | Б | Б | А | Б |

**2. (3 балла)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Признаки** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Животные** | Г | З | А | Е | Б | Ж | В | Д |

**3.(3 балла)**

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

**4.(3 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Тип мутационного изменения** | 1 | 2 | 3 | 4 | 5 | 6 |
| **Термин** | В | А | Г | Д | Б | Е |

**5.(3 балла)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Структуры головного мозга** | 1 | 2 | 3 | 4 | 5 |
| **Функции** | Д | В | Г | А | Б |