**Ответы на задания муниципального этапа**

**Всероссийской олимпиады школьников по биологии 2017 года**

**для 10 класса (max – 103 балла)**

**Часть 1. max 50 баллов**

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

**Часть 2. max 20 баллов**

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

**Часть 3. max 20 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** | + |  | + | + | + | + |  |  | + |  |

**Часть 4. max 13 баллов**

**1. (3 балла)**

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

**2.(4 балла)**

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

**3.(3 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Признаки | 1 | 2 | 3 | 4 | 5 | 6 |
| Экосистемы | Б | Б | А | А | А | Б |

**4.(3 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Углевод | 1 | 2 | 3 | 4 | 5 | 6 |
| Функция | Е | Б | А | В | Г | Д |