**Всероссийская олимпиада школьников по биологии 2018**

**Муниципальный этап**

**11 класс**

**Ответы (max. 130 баллов)**

**Часть 1. [60 баллов]**

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

**Часть 2. [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | в | г | б | а | в | д | Любой вариант ответа правильный | а | а | б |
| **11-20** | в | б | б | б | б |  |  |  |  |  |

**Часть 3. [25 баллов]**

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

**Часть 4. [15 баллов]**

1. **[мах. 3 балла].**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Изображение** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Тип побега** | Д | Е | Б | Г | А | В |

1. **[мах. 2 балла].**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Изображения** | **1** | **2** | **3** | **4** |
| **Вкусовые ощущения** | В | Г | Б | А |

1. **[мах. 4 балла].**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Растения** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| **Видоизменение побега** | А | Б | В | **В** | Б | А | А | В |

1. **[мах. 3 балла].**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Признаки** | **1** | **2** | **3** | **3** | **5** | **6** |
| **Форменные элементы** | Б | А | Б | А | Б | А |

**5. [мах. 3 балла].**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Примеры** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Методы доказательства эволюции** | А | А | Б | Б | Б | А |