**Ответы на задания муниципального этапа   
 Всероссийской олимпиады школьников по биологии.   
 2016-2017 уч. год. 9 класс**

**Задание 1. [40 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | б | а | а | в | б | б | а | г | в |
| **11-20** | а | в | а | б | г | г | б | б | а | б |
| **21-30** | в | б | а | а | в | в | б | г | в | б |
| **31-40** | б | б | а | а | г | а | а | б | б | г |

**Задание 2. [20 баллов]**

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

**Задание 3. [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| прав. "ДА" |  | х | х |  |  |  |  |  |  |  | х | х |  |  |  |
| неправ. "нет" | х |  |  | х | х | х | х | х | х | х |  |  | х | х | х |

**Задание 4.** **[12 баллов]**

**1.[мах.3. 5 баллов]**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **паразит** | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **Промежуточный хозяин** | и | в | б | а | б | д | б |

**2.[мах. 5 баллов]**

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

**3 .[3,5 балла]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Отряд** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** |
| **Тип развития** | а | а | б | а | а | б | а | а | б | б | а | б | а | б |