**Ответы на задания муниципального этапа   
всероссийской олимпиады школьников по биологии.   
 2016-2017 уч. год. 10 класс**

**Задание 1. [50 баллов]**

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

**Задание 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | бг | ав | аб | бг | вг | аб | вг | ав | ав | аб |

**Задание 3. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| прав. "ДА" |  |  | х |  | х | х |  | х |  |  | х | х | х |  | х |
| неправ "нет" | х | х |  | х |  |  | х |  | х | х |  |  |  | х |  |
| **№** | **16** | **17** | **18** | **19** | **20** |  |  |  |  |  |  |  |  |  |  |
| прав. "ДА" |  | х |  | х |  |  |  |  |  |  |  |  |  |  |  |
| неправ "нет" | х |  | х |  | х |  |  |  |  |  |  |  |  |  |  |

**Задание 4.** **[12 баллов]**

**1 - [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 |

**2 - [мах. 3.0 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Виды организмов** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Направление эволюции** | а | б | б | а | б | а |

**3 - [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Функции** | А | Б | В | Г | Д |
| **Органы пищеварительной системы** | 4 | 1 | 5 | 2 | 3 |

**4 - [3.0 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Виды организмов** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Направление эволюции** | **а** | **б** | **б** | **а** | **б** | **а** |

**1.[мах. 3.0 балла]**

**2 .[2.5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Организмы:** | **1** | **2** | **3** | **4** | **5** |
| **Трофические уровни** | б | в | а | а | б |

**3. [3.0 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Особенности процесса** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Способ деления** | а | а | б | б | а | б |

**4. [3.0 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Виды организмов** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Направление эволюции** | а | б | б | а | б | а |