**МАТРИЦА ОТВЕТОВ**

**на задания теоретического тура муниципального этапа ХХХIII Всероссийской олимпиады школьников по биологии 2017-2018 учебный год. 10 класс**

**Задание 1. (50 баллов)**

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

**Задание 2. (20 баллов)**

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

**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** |
| прав.  «НЕТ» | **х** |  | |  | | **х** | **х** | | **х** | |  | **х** |  |  |  | | **х** | **х** |  |  |
| № | **16** | | **17** | | **18** | **19** | | **20** | |  | | | | | |
| прав.  «ДА» | **х** | | **х** | |  |  | | **х** | |
| прав.  «НЕТ» |  | |  | | **х** | **х** | |  | |

**Задание 4. (9,5 балла)**

1. **(мах. 2,75 балла)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Условные обозначения | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Название стадии | Г | Д | З | И | А | К | Ж | Б | В | Е | Л |

1. **(мах.3 балла)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Условные обозначения | 1 | 2 | 3 | 4 | 5 | 6 |
| Название типов | А | А | А | А | А | Б |

1. **(мах. 0,75 балла)**

|  |  |  |  |
| --- | --- | --- | --- |
| Условные обозначения | 1 | 2 | 3 |
| Хозяева | **А** | **В** | **Б** |

1. **(мах. 3 балла)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Условные обозначения | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Хромосомный набор | n | n | 2n | n | n | n+n | n | n+n | 2n | n | 2n | n |