**Муниципальный этап ВсОШ по биологии 2022-2023 уч. г.**

 **7 класс**

**Ключи**

**Максимальный балл – 35,5**

**Часть 1 [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **а** |  |  |  | Х | Х |  |  |  | Х |  |  |  | Х |  |  |
| **б** | Х |  |  |  |  |  | Х | Х |  | Х | Х | Х |  |  |  |
| **в** |  |  |  |  |  | Х |  |  |  |  |  |  |  | Х | Х |
| **г** |  | Х | Х |  |  |  |  |  |  |  |  |  |  |  |  |

**Часть 2 [12,5 баллов; если в ответе указаны не все пункты, то 0,7 за одно соответствие, если указаны все пункты – 2,5 за вопрос]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** |
| **а** |  |  |  |  |  |
| **б** |  | Х |  | Х | Х |
| **в** |  |  |  |  | Х |
| **г** | Х |  |  | Х | Х |
| **д** |  |  | Х | Х | Х |

**Часть 3 [8 баллов]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Название группы | А | Б | В | Г |
| Название представителя | 3,5,7,8 | 4 | 1,6 | 2 |

**Муниципальный этап ВсОШ по биологии 2022-2023 уч. г.**

**8 класс**

**Ключи**

**Максимальный балл – 42,5 балла**

**Часть 1 [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **а** |  |  |  | Х |  |  |  |  |  |  |  |  | Х | Х |  |
| **б** | Х |  |  |  |  |  | Х | Х | Х | Х | Х |  |  |  |  |
| **в** |  |  |  |  | Х | Х |  |  |  |  |  | Х |  |  | Х |
| **г** |  | Х | Х |  |  |  |  |  |  |  |  |  |  |  |  |

**Часть 2 [12,5 баллов;** если в ответе указаны не все пункты, то 0,7 за одно соответствие, если указаны все пункты – 2,5 за вопрос**]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** |
| **а** |  |  |  |  |  |
| **б** | Х | Х |  | Х |  |
| **в** | Х |  |  |  | Х |
| **г** |  |  |  | Х | Х |
| **д** |  |  | Х | Х |  |
| **е** |  |  |  |  | Х |

**Часть 3 [15 баллов]**

Задание 1 [8 баллов]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Название группы | А | Б | В | Г |
| Название представителя | 3,5,7,8  | 4 | 1,6 | 2 |

Задание 2 [7 баллов]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G |
| 1 | 2 | 6 | 5 | 7 | 4 | 3 |

**Муниципальный этап ВсОШ по биологии 2022-2023 уч. г.**

**9 класс**

**Ключи**

**Максимальный балл – 64**

**Часть 1 [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **а** |  |  |  | Х |  |  |  |  |  |  |  |  | Х | Х |  |
| **б** | Х |  | Х |  |  |  | Х | Х | Х | Х | Х |  |  |  |  |
| **в** |  |  |  |  | Х | Х |  |  |  |  |  | Х |  |  | Х |
| **г** |  | Х |  |  |  |  |  |  |  |  |  |  |  |  |  |
| № | **16** | **17** | **18** | **19** | **20** |  |  |  |  |  |  |  |  |  |  |
| **а** |  | Х |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **б** |  |  |  | Х |  |  |  |  |  |  |  |  |  |  |  |
| **в** |  |  | Х |  |  |  |  |  |  |  |  |  |  |  |  |
| **г** | Х |  |  |  | Х |  |  |  |  |  |  |  |  |  |  |

**Часть 2 [25 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **а** |  |  |  |  |  |  |  | Х | Х | Х |
| **б** | Х | Х |  | Х |  | Х | Х | Х | Х |  |
| **в** | Х |  |  |  | Х |  |  |  |  | Х |
| **г** |  |  |  | Х | Х | Х | Х |  |  |  |
| **д** |  |  | Х | Х |  |  | Х |  | Х |  |
| **е** |  |  |  |  | Х | Х |  | Х |  | Х |

**Часть 3 [19 баллов]**

Задание 1 [8 баллов]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Название группы | А | Б | В | Г |
| Название представителя | 3,5,7,8  | 4 | 1,6 | 2 |

Задание 2 [7 баллов]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G |
| 1 | 2 | 6 | 5 | 7 | 4 | 3 |

Задание 3 [4 балла]

|  |  |  |  |
| --- | --- | --- | --- |
| Рыба | Амфибия | Рептилия | Млекопитающее |
| Г | Б | В | A |

**Муниципальный этап ВсОШ по биологии 2022-2023 уч. г.**

**10 класс**

**Ключи**

**Максимальный балл – 76**

**Часть 1 [25 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **а** |  |  |  | Х |  |  |  |  |  |  |  |  | Х | Х |  |
| **б** | Х |  | Х |  |  |  | Х | Х | Х | Х |  |  |  |  |  |
| **в** |  |  |  |  | Х | Х |  |  |  |  |  | Х |  |  | Х |
| **г** |  | Х |  |  |  |  |  |  |  |  | Х |  |  |  |  |
| № | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |  |  |  |  |  |
| **а** |  | Х |  |  |  |  | Х | Х |  |  |  |  |  |  |  |
| **б** |  |  |  | Х |  |  |  |  |  | Х |  |  |  |  |  |
| **в** |  |  | Х |  |  | Х |  |  | Х |  |  |  |  |  |  |
| **г** | Х |  |  |  | Х |  |  |  |  |  |  |  |  |  |  |

**Часть 2 [25 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **а** |  |  |  |  |  |  |  | Х | Х | Х |
| **б** | Х | Х |  | Х |  | Х | Х | Х | Х |  |
| **в** | Х |  |  |  | Х |  |  |  |  | Х |
| **г** |  |  |  | Х | Х | Х | Х |  |  |  |
| **д** |  |  | Х | Х |  |  | Х |  | Х |  |
| **е** |  |  |  |  | Х |  |  | Х |  | Х |

**Часть 3 [26 баллов]**

Задание 1. [8 баллов]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Название группы | А | Б | В | Г |
| Название представителя | 3,5,7,8  | 4 | 1,6 | 2 |

Задание 2. [7 баллов]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G |
| 1 | 2 | 6 | 5 | 7 | 4 | 3 |

Задание 3. [4 балла]

|  |  |  |  |
| --- | --- | --- | --- |
| Рыба | Амфибия | Рептилия | Млекопитающее |
| Г | Б | В | A |

Задание 4. [7 баллов]

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

**Муниципальный этап ВсОШ по биологии 2022-2023 уч. г.**

**11 класс**

**Ключи**

**Максимальный балл – 87**

**Часть 1 [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| **а** |  |  |  | Х |  |  |  |  |  |  |  |  | Х | Х |  |
| **б** | Х |  |  |  |  |  | Х | Х | Х | Х |  |  |  |  |  |
| **в** |  |  | Х |  | Х | Х |  |  |  |  |  | Х |  |  | Х |
| **г** |  | Х |  |  |  |  |  |  |  |  | Х |  |  |  |  |
| **№** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** |
| **а** |  | Х |  |  |  |  | Х | Х |  |  |  |  | Х |  |  |
| **б** |  |  |  | Х |  |  |  |  |  | Х | Х |  |  |  |  |
| **в** |  |  | Х |  |  | Х |  |  | Х |  |  | Х |  |  | Х |
| **г** | Х |  |  |  | Х |  |  |  |  |  |  |  |  | Х |  |

**Часть 2 [25 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **а** |  |  |  |  |  |  |  | Х | Х | Х |
| **б** |  | Х |  | Х |  | Х | Х | Х | Х |  |
| **в** | Х |  |  |  | Х |  |  |  |  | Х |
| **г** | Х |  |  | Х | Х | Х | Х |  |  |  |
| **д** |  |  | Х | Х |  |  | Х |  | Х |  |
| **е** |  |  |  |  | Х |  |  | Х |  | Х |

**Часть 3 [32 балла]**

Задание 1. [8 баллов]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Название группы | А | Б | В | Г |
| Название представителя | 3,5,7,8  | 4 | 1,6 | 2 |

Задание 2. [7 баллов]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G |
| 1 | 2 | 6 | 5 | 7 | 4 | 3 |

Задание 3. [4 балла]

|  |  |  |  |
| --- | --- | --- | --- |
| Рыба | Амфибия | Рептилия | Млекопитающее |
| Г | Б | В | A |

Задание 4. [7 баллов]

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

Задание 5. [6 баллов]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| А | Б | В | Г | Д | Е |
| 7 | 6 | 5 | 10 | 8 | 4 |