**Муниципальный этап ВсОШ по биологии**

**в 2024-2025 учебном году**

**Теоретический тур**

**Ключи**

**11 класс**

*Максимальное количество первичных баллов – 94; итоговых баллов – 100*

**Часть I**

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| * Тестовые задания, требующие только одного ответа из четырех возможных. * Максимальное количество баллов – 30 (по 1 баллу за каждое тестовое задание). * Ответ укажите в бланке ответов знаком «Х». |

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

**Часть II**

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| * Вам предлагаются тестовые задания с множественными вариантами ответа (от 0 до 5), некоторые задания требуют предварительного множественного выбора. * Максимальное количество баллов, которое можно набрать, – 25 (по 2,5 балла за каждое тестовое задание). * Индексы верных ответов (Да) и неверных ответов (Нет) укажите в матрице знаком «Х». |

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| **№ задания** | **1** | | **2** | | **3** | | **4** | | **5** | |
| **да** | **нет** | **да** | **нет** | **да** | **нет** | **да** | **нет** | **да** | **нет** |
| **а** |  | х |  | х | х |  |  | х | х |  |
| **б** | х |  | х |  | х |  | х |  |  | х |
| **в** |  | х | х |  | х |  |  | х |  | х |
| **г** | х |  |  | х | х |  | х |  |  | х |
| **д** |  | х |  | х |  | х |  | х |  | х |
| **№ задания** | **6** | | **7** | | **8** | | **9** | | **10** | |
| **да** | **нет** | **да** | **нет** | **да** | **нет** | **да** | **нет** | **да** | **нет** |
| **а** | х |  | х |  | х |  |  | х | х |  |
| **б** | х |  | х |  | х |  | х |  | х |  |
| **в** | х |  | х |  | х |  | х |  | х |  |
| **г** | х |  |  | х | х |  | х |  | х |  |
| **д** |  | х | х |  |  | х |  | х |  | х |

**Часть III**

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| * Задания на установление соответствия между двумя массивами данных. * Максимальное количество баллов – **39** (по **1** баллу за каждое верное соответствие). |

**1 [9 баллов].**

|  |  |  |  |
| --- | --- | --- | --- |
| **I.** | **1** | **2** | **3** |
| **II.** | а, в, з, и | б | г, д, е, ж |

**2 [9 баллов].**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **I.** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **II.** | ж | а | д | б | в | г | е | и | з |

**3 [8 баллов].**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **I.** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| **II.** | ж | з | г | д | е | а | б | в |

**4 [8 баллов].**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **I.** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| **II.** | з | а | ж | б | е | в | г | д |

**5 [5 баллов].**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **I.** | **1** | **2** | **3** | **4** | **5** |
| **II.** | д | б | в | а | г |