

Часть А

ШИФР (заполняется организатором)

2-016-bio10-001

ZIPGRADE.COM

- | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|
| 1 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 19 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 37 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E |
| 2 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 20 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 38 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 3 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 21 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 39 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E |
| 4 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 22 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 40 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 5 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 23 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 6 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 24 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 7 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 25 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 8 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 26 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | | | | | | |
| 9 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 27 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |

Район 2022 (7683)

- | | | | | | | | | | | | |
|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|
| 10 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 28 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E |
| 11 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 29 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 12 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 30 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 13 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 31 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 14 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 32 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 15 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 33 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E |
| 16 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 34 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 17 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 35 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E |
| 18 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 36 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |

Часть В

1.

А	Б	В	Г	Д
1	3	4	5	2

2.

1.	Х
2.	Б
3.	А
4.	Е
5.	Г
6.	В
7.	Д

5.

1.	6
2.	5
3.	1
4.	4
5.	2
6.	3

3.

1.	7
2.	5
3.	3
4.	4
5.	6
6.	1
7.	9
8.	10
9.	8
10.	2

6.

1.	2
2.	6.
3.	1
4.	5
5.	11
6.	10.
7.	3
8.	9
9.	4
10.	12.8
11.	7.

4.

1.		+	
2.	+		.
3.	+		.
4.		+	
5.	+		
6.	+		
7.			+
8.		+	
9.		+	
10.			+

7.

A.	114
B.	79.
C.	12.

р 111 қ 36.

8.

1.	4
2.	7
3.	1
4.	6
5.	8
6.	2
7.	9
8.	5
9.	10
10.	3

9.

1	2	3	4	5	6	7	8	9	10
Q	M	A	M	3	E	T	K	T	B

10. $A \cup B; A \cap C; B \cup M; A \cap K; A \cap E; A \cap M; B \cap K; K \cap M$.

11.

1.	Q
2.	T
3.	A
4.	T
5.	B

Часть А

ШИФР (заполняется организатором)

2-016-bio10-002

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Район 2022 (7683)

1	☒ A	☐ B	☐ C	☐ D	☐ E	19	☐ A	☐ B	☒ C	☐ D	☐ E	37	☐ A	☐ B	☐ C	☒ D	☐ E
2	☐ A	☐ B	☐ C	☒ D	☐ E	20	☐ A	☒ B	☐ C	☐ D	☐ E	38	☒ A	☐ B	☐ C	☐ D	☐ E
3	☐ A	☐ B	☒ C	☐ D	☐ E	21	☐ A	☒ B	☐ C	☐ D	☐ E	39	☒ A	☐ B	☐ C	☐ D	☐ E
4	☐ A	☒ B	☐ C	☐ D	☐ E	22	☐ A	☐ B	☐ C	☒ D	☐ E	40	☐ A	☐ B	☒ C	☐ D	☐ E
5	☒ A	☐ B	☐ C	☐ D	☐ E	23	☒ A	☐ B	☐ C	☐ D	☐ E						
6	☐ A	☐ B	☒ C	☐ D	☐ E	24	☐ A	☒ B	☐ C	☐ D	☐ E						
7	☐ A	☒ B	☐ C	☐ D	☐ E	25	☐ A	☐ B	☒ C	☐ D	☐ E						
8	☐ A	☐ B	☒ C	☐ D	☐ E	26	☒ A	☐ B	☐ C	☐ D	☐ E						
9	☐ A	☐ B	☐ C	☒ D	☐ E	27	☐ A	☒ B	☐ C	☐ D	☐ E						
10	☒ A	☐ B	☐ C	☐ D	☐ E	28	☒ A	☐ B	☐ C	☐ D	☐ E						
11	☐ A	☐ B	☒ C	☐ D	☐ E	29	☐ A	☐ B	☐ C	☒ D	☐ E						
12	☐ A	☐ B	☒ C	☐ D	☐ E	30	☐ A	☒ B	☐ C	☐ D	☐ E						
13	☐ A	☐ B	☐ C	☒ D	☐ E	31	☐ A	☒ B	☐ C	☐ D	☐ E						
14	☐ A	☒ B	☐ C	☐ D	☐ E	32	☐ A	☒ B	☐ C	☐ D	☐ E						
15	☒ A	☐ B	☐ C	☐ D	☐ E	33	☐ A	☒ B	☐ C	☐ D	☐ E						
16	☐ A	☐ B	☒ C	☐ D	☐ E	34	☐ A	☐ B	☐ C	☒ D	☐ E						
17	☐ A	☐ B	☒ C	☐ D	☐ E	35	☐ A	☐ B	☐ C	☒ D	☐ E						
18	☒ A	☐ B	☐ C	☐ D	☐ E	36	☐ A	☒ B	☐ C	☐ D	☐ E						

Часть В

1.

А	Б	В	Г	Д
2	1	4	5	3

2.

1.	Х
2.	Д
3.	А
4.	Г
5.	Е
6.	В
7.	Б

5.

1.	6
2.	5
3.	1
4.	2
5.	4
6.	3

3.

1.	4
2.	3
3.	6
4.	9
5.	10
6.	1
7.	2
8.	5
9.	8
10.	4

6.

1.	6
2.	2
3.	4
4.	9
5.	1
6.	3
7.	5
8.	10
9.	7
10.	11
11.	8

4.

1.	+	-	-
2.	-	-	+
3.	-	+	-
4.	+	-	-
5.	-	+	+
6.	-	-	+
7.	+	-	+
8.	-	+	+
9.	+	-	-
10.	-	-	+

7.

A.
B.
C.

p A q B

8.

1.	1
2.	8
3.	9
4.	4
5.	5
6.	7
7.	10
8.	6
9.	3
10.	2

9.

1	2	3	4	5	6	7	8	9	10
Б	А	А	Г	И	В	К	Е	З	Ж

10. $A \cup B = 5\%$; $A \cup C = 4\%$; $B \cup M = 5\%$; $A \cup H = 6\%$; $B \cup C = 7\%$; $A \cup M = 8\%$; $B \cup K = 9\%$; $K \cup M = 14\%$.

11.

1.	А
2.	Б
3.	Г
4.	В
5.	А

Часть А

ШИФР (заполняется организатором)

2-016-bio10-003

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1	☒	A	☒	B	☒	C	☒	D	☒	E	19	☒	A	☒	B	☒	C	☒	D	☒	E	37	☒	A	☒	B	☒	C	☒	D	☒	E
2	☒	A	☒	B	☒	C	☒	D	☒	E	20	☒	A	☒	B	☒	C	☒	D	☒	E	38	☒	A	☒	B	☒	C	☒	D	☒	E
3	☒	A	☒	B	☒	C	☒	D	☒	E	21	☒	A	☒	B	☒	C	☒	D	☒	E	39	☒	A	☒	B	☒	C	☒	D	☒	E
4	☒	A	☒	B	☒	C	☒	D	☒	E	22	☒	A	☒	B	☒	C	☒	D	☒	E	40	☒	A	☒	B	☒	C	☒	D	☒	E
5	☒	A	☒	B	☒	C	☒	D	☒	E	23	☒	A	☒	B	☒	C	☒	D	☒	E											
6	☒	A	☒	B	☒	C	☒	D	☒	E	24	☒	A	☒	B	☒	C	☒	D	☒	E											
7	☒	A	☒	B	☒	C	☒	D	☒	E	25	☒	A	☒	B	☒	C	☒	D	☒	E											
8	☒	A	☒	B	☒	C	☒	D	☒	E	26	☒	A	☒	B	☒	C	☒	D	☒	E											
9	☒	A	☒	B	☒	C	☒	D	☒	E	27	☒	A	☒	B	☒	C	☒	D	☒	E											

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10	☒	A	☒	B	☒	C	☒	D	☒	E	28	☒	A	☒	B	☒	C	☒	D	☒	E
11	☒	A	☒	B	☒	C	☒	D	☒	E	29	☒	A	☒	B	☒	C	☒	D	☒	E
12	☒	A	☒	B	☒	C	☒	D	☒	E	30	☒	A	☒	B	☒	C	☒	D	☒	E
13	☒	A	☒	B	☒	C	☒	D	☒	E	31	☒	A	☒	B	☒	C	☒	D	☒	E
14	☒	A	☒	B	☒	C	☒	D	☒	E	32	☒	A	☒	B	☒	C	☒	D	☒	E
15	☒	A	☒	B	☒	C	☒	D	☒	E	33	☒	A	☒	B	☒	C	☒	D	☒	E
16	☒	A	☒	B	☒	C	☒	D	☒	E	34	☒	A	☒	B	☒	C	☒	D	☒	E
17	☒	A	☒	B	☒	C	☒	D	☒	E	35	☒	A	☒	B	☒	C	☒	D	☒	E
18	☒	A	☒	B	☒	C	☒	D	☒	E	36	☒	A	☒	B	☒	C	☒	D	☒	E

Часть В

1.

А	Б	В	Г	Д
1	3	5	2	4

2.

1.	Ж
2.	В
3.	Г
4.	Б
5.	А
6.	Б
7.	В

5.

1.	3
2.	
3.	1
4.	4
5.	
6.	1

3.

1.	9
2.	4
3.	6
4.	10
5.	11
6.	3
7.	5
8.	2
9.	1
10.	8

6.

1.	3
2.	4
3.	2
4.	4
5.	10
6.	9
7.	5
8.	11
9.	1
10.	6
11.	8

4.

1.	+		
2.		+	
3.	+		
4.			+
5.			+
6.		+	
7.	+		
8.	+		
9.		+	
10.		+	

7.

А.
В.
С.

р. A қ. B.

8.

1.	4
2.	6
3.	10
4.	2
5.	7
6.	5
7.	9
8.	3
9.	8
10.	1

9.

1	2	3	4	5	6	7	8	9	10
7	2	6	1	9	3	5	10	4	8

10. A-B, A-C, B-M, A-K, B-C, A-M, B-K, K-M.

11.

1.	D
2.	F
3.	F
4.	B
5.	A

Часть А

ШИФР (заполняется организатором)

2-016-bio10-004

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Район 2022 (7683)

- 1 ☒ A ☐ B ☐ C ☐ D ☐ E 19 ☐ A ☒ B ☐ C ☐ D ☐ E 37 ☐ A ☐ B ☐ C ☒ D ☐ E
- 2 ☐ A ☐ B ☐ C ☒ D ☐ E 20 ☐ A ☒ B ☐ C ☐ D ☐ E 38 ☒ A ☐ B ☐ C ☐ D ☐ E
- 3 ☐ A ☐ B ☒ C ☐ D ☐ E 21 ☐ A ☒ B ☐ C ☐ D ☐ E 39 ☐ A ☐ B ☒ C ☐ D ☐ E
- 4 ☐ A ☒ B ☐ C ☐ D ☐ E 22 ☐ A ☒ B ☐ C ☐ D ☐ E 40 ☐ A ☒ B ☐ C ☐ D ☐ E
- 5 ☒ A ☐ B ☐ C ☐ D ☐ E 23 ☐ A ☐ B ☒ C ☐ D ☐ E
- 6 ☐ A ☐ B ☒ C ☐ D ☐ E 24 ☐ A ☒ B ☐ C ☐ D ☐ E
- 7 ☒ A ☐ B ☐ C ☐ D ☐ E 25 ☐ A ☒ B ☐ C ☐ D ☐ E
- 8 ☐ A ☐ B ☒ C ☐ D ☐ E 26 ☐ A ☐ B ☒ C ☐ D ☐ E
- 9 ☒ A ☐ B ☐ C ☐ D ☐ E 27 ☐ A ☐ B ☒ C ☐ D ☐ E
- 10 ☒ A ☐ B ☐ C ☐ D ☐ E 28 ☐ A ☒ B ☐ C ☐ D ☐ E
- 11 ☒ A ☐ B ☐ C ☐ D ☐ E 29 ☐ A ☒ B ☐ C ☐ D ☐ E
- 12 ☒ A ☐ B ☐ C ☐ D ☐ E 30 ☐ A ☐ B ☒ C ☐ D ☐ E
- 13 ☐ A ☐ B ☒ C ☐ D ☐ E 31 ☐ A ☒ B ☐ C ☐ D ☐ E
- 14 ☐ A ☐ B ☒ C ☐ D ☐ E 32 ☒ A ☐ B ☐ C ☐ D ☐ E
- 15 ☐ A ☐ B ☒ C ☐ D ☐ E 33 ☐ A ☐ B ☐ C ☒ D ☐ E
- 16 ☐ A ☒ B ☐ C ☐ D ☐ E 34 ☐ A ☒ B ☐ C ☐ D ☐ E
- 17 ☒ A ☐ B ☐ C ☐ D ☐ E 35 ☐ A ☒ B ☐ C ☐ D ☐ E
- 18 ☐ A ☐ B ☒ C ☐ D ☐ E 36 ☒ A ☐ B ☐ C ☐ D ☐ E

Часть В

1.

А	Б	В	Г	Д
1	3	4	5	2

2.

1.	Ж
2.	В
3.	А
4.	Б
5.	Г
6.	Д
7.	Б

5.

1.	5
2.	6
3.	1
4.	2
5.	4
6.	3

3.

1.	3
2.	3
3.	5
4.	4
5.	6
6.	7
7.	9
8.	10
9.	8
10.	2

6.

1.	2
2.	3
3.	5
4.	1
5.	11
6.	4
7.	5
8.	9
9.	10
10.	9
11.	7

4.

1.			+
2.		+	
3.		+	
4.	+		
5.		+	
6.			+
7.			+
8.		+	
9.		+	
10.	+		

7.

A.	114
B.	74
C.	12

р А 9 6

8.

1.	6
2.	8
3.	1
4.	4
5.	7
6.	2
7.	5
8.	10
9.	9
10.	3

9.

1	2	3	4	5	6	7	8	9	10
A	B	Б	K	3	D	H	E	Ж	Г

10. AB; AC; BM; AK; BC; AM; BK; KM

11.

1.	Б
2.	D
3.	Г
4.	A
5.	B

Часть А

ШИФР (заполняется организатором)

2-016-bio10-005

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Район 2022 (7683)

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|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|-------------------------|-------------------------|-------------------------|
| 1 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 19 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 37 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 2 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 20 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 38 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 3 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 21 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 39 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 4 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 22 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 40 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 5 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 23 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | | | | | | |
| 6 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 24 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 7 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 25 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 8 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 26 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 9 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 27 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 10 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 28 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 11 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 29 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 12 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 30 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 13 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 31 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 14 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 32 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 15 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 33 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 16 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 34 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 17 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 35 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 18 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 36 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |

Часть В

1.

А	Б	В	Г	Д
5	4	5	4	4

2.

1.	4
2.	5
3.	4
4.	5
5.	4
6.	5
7.	5

5.

1.	6
2.	5
3.	4
4.	4
5.	4
6.	3

3.

1.	5
2.	4
3.	6
4.	10
5.	4
6.	3
7.	7
8.	4
9.	9
10.	8

6.

1.	8
2.	5
3.	9
4.	5
5.	6
6.	2
7.	4
8.	11
9.	4
10.	7
11.	1

4.

1.			+
2.		+	
3.			+
4.			+
5.	+		
6.	+		
7.			+
8.		+	
9.			
10.	+		

7.

A.	0,1
B.	0,1
C.	403

р AA q aa

8.

1.	4
2.	10
3.	1
4.	6
5.	2
6.	2
7.	9
8.	5
9.	7
10.	3

9.

1	2	3	4	5	6	7	8	9	10
E	H	B	B	K	D	A	3	4	T

10. AB, AC, BM, AK, BC, AM, BK, KN.

11.

1.	B
2.	T
3.	D
4.	A
5.	5

Часть А

ШИФР (заполняется организатором)

2-016-bio10-006

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Район 2022 (7683)

- | | | | | | | | | | | | | | | | | | |
|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------|----|------------------------------------|------------------------------------|------------------------------------|-------------------------|-------------------------|
| 1 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 19 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 37 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E |
| 2 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 20 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 38 | ☒ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 3 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 21 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 39 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 4 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 22 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 40 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 5 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 23 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 6 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 24 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 7 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 25 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 8 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 26 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 9 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 27 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 10 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 28 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 11 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 29 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 12 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 30 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 13 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 31 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 14 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 32 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 15 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 33 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | | | | | | |
| 16 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 34 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 17 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 35 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | | | | | | |
| 18 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 36 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |



1

А	Б	В	Г	Д
2	5	4	1	3

2.

1.	X
2.	B
3.	C
4.	A
5.	E
6.	A
7.	B

5

1.	6
2.	5
3.	1
4.	3
5.	4
6.	2

3.

1.	2
2.	6
3.	8
4.	4
5.	10
6.	3
7.	9
8.	5
9.	4
10.	1

6.

1.	4
2.	5
3.	3
4.	1
5.	9
6.	7
7.	2
8.	10
9.	6
10.	8
11.	8

4

1.		+	
2.			+
3.	+		
4.		+	
5.			+
6.	+		
7.			+
8.		+	
9.	+		
10.	+		

7.

A.	114
B.	74
C.	12

р 1 қ 3,2

8.

1.	А.
2.	Б.
3.	В.
4.	Г.
5.	Д.
6.	Е.
7.	Ж.
8.	З.
9.	И.
10.	К.

9.

1	2	3	4	5	6	7	8	9	10
4	8	1	10	5	2	9	7	3	6

10. А-К-В-С-Д

11.

1.	Б.
2.	Г.
3.	А.
4.	В.
5.	Д.

Часть А

ШИФР (заполняется организатором)

2-016-bio10-007

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Район 2022 (7683)

- | | | | | | | | | | | | | | | | | | |
|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----|------------------------------------|------------------------------------|------------------------------------|-------------------------|-------------------------|
| 1 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 19 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 37 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 2 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 20 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 38 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E |
| 3 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 21 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 39 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E |
| 4 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 22 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 40 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E |
| 5 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 23 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 6 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 24 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 7 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 25 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 8 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 26 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | | | | | | |
| 9 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 27 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 10 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 28 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 11 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 29 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 12 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 30 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 13 | ☐ A | ☐ B | ☒ C | ☐ D | ☐ E | 31 | ☐ A | ☐ B | ☐ C | ☐ D | ☒ E | | | | | | |
| 14 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | 32 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 15 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | 33 | ☐ A | ☐ B | ☐ C | ☒ D | ☐ E | | | | | | |
| 16 | ☐ A | ☐ B | ☐ C | ☐ D | ☒ E | 34 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 17 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 35 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |
| 18 | ☒ A | ☐ B | ☐ C | ☐ D | ☐ E | 36 | ☐ A | ☒ B | ☐ C | ☐ D | ☐ E | | | | | | |

Часть В

1.

А	Б	В	Г	Д
1	5	3	2	4

2.

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

5.

1.	6
2.	5
3.	1
4.	2
5.	4
6.	3

3.

1.	9
2.	81
3.	8
4.	9
5.	2
6.	4
7.	6
8.	10
9.	5
10.	4

6.

1.	1
2.	3
3.	9
4.	5
5.	6
6.	7
7.	4
8.	10
9.	11
10.	2
11.	8

4.

1.		+	
2.			+
3.			+
4.			+
5.	+		
6.	+		
7.		+	
8.	+		
9.	+		
10.		+	

7.

A.	0,060
B.	0,540
C.	0,370

р А қ В

8.

1.	2
2.	9
3.	6
4.	7
5.	3
6.	10
7.	8
8.	5
9.	1
10.	4

9.

1	2	3	4	5	6	7	8	9	10
б	т	ч	а	в	к	д	д	е	е

10. 4%; 5%; 6%; 4%; 3%; 9%; 14%.

11.

1.	т
2.	д
3.	А
4.	д
5.	В

Часть А

ШИФР (заполняется организатором)

2-016-bio10-008

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1	☐ A	☒ B	☐ C	☐ D	☐ E	19	☐ A	☒ B	☐ C	☐ D	☐ E	37	☐ A	☐ B	☐ C	☒ D	☐ E
2	☐ A	☐ B	☐ C	☒ D	☐ E	20	☐ A	☒ B	☐ C	☐ D	☐ E	38	☐ A	☐ B	☒ C	☐ D	☐ E
3	☐ A	☐ B	☐ C	☒ D	☐ E	21	☐ A	☐ B	☐ C	☒ D	☐ E	39	☒ A	☐ B	☐ C	☐ D	☐ E
4	☐ A	☒ B	☐ C	☐ D	☐ E	22	☐ A	☐ B	☐ C	☒ D	☐ E	40	☐ A	☐ B	☐ C	☒ D	☐ E
5	☒ A	☐ B	☐ C	☐ D	☐ E	23	☐ A	☐ B	☒ C	☐ D	☐ E						
6	☐ A	☐ B	☒ C	☐ D	☐ E	24	☐ A	☒ B	☐ C	☐ D	☐ E						
7	☒ A	☐ B	☐ C	☐ D	☐ E	25	☐ A	☒ B	☐ C	☐ D	☐ E						
8	☐ A	☐ B	☒ C	☐ D	☐ E	26	☐ A	☒ B	☐ C	☐ D	☐ E						
9	☐ A	☐ B	☐ C	☒ D	☐ E	27	☒ A	☐ B	☐ C	☐ D	☐ E						
10	☒ A	☐ B	☐ C	☐ D	☐ E	28	☒ A	☐ B	☐ C	☐ D	☐ E						
11	☒ A	☐ B	☐ C	☐ D	☐ E	29	☒ A	☐ B	☐ C	☐ D	☐ E						
12	☐ A	☐ B	☒ C	☐ D	☐ E	30	☐ A	☒ B	☐ C	☐ D	☐ E						
13	☐ A	☐ B	☐ C	☒ D	☐ E	31	☐ A	☒ B	☐ C	☐ D	☐ E						
14	☐ A	☒ B	☐ C	☐ D	☐ E	32	☐ A	☐ B	☒ C	☐ D	☐ E						
15	☐ A	☐ B	☒ C	☐ D	☐ E	33	☐ A	☐ B	☐ C	☒ D	☐ E						
16	☐ A	☒ B	☐ C	☐ D	☐ E	34	☐ A	☒ B	☐ C	☐ D	☐ E						
17	☐ A	☐ B	☒ C	☐ D	☐ E	35	☐ A	☐ B	☒ C	☐ D	☐ E						
18	☐ A	☒ B	☐ C	☐ D	☐ E	36	☐ A	☒ B	☐ C	☐ D	☐ E						

Часть В

1.

А	Б	В	Г	Д
3	3	4	5	4

2.

1.	X
2.	Б
3.	А
4.	Е
5.	П
6.	Д
7.	В

5.

1.	5
2.	6
3.	1
4.	2
5.	9
6.	3

3.

1.	A	7
2.	X	6
3.	X	8
4.	X	9
5.	X	5
6.	X	2
7.	X	10
8.	E	3
9.	X	4
10.	X	1

6.

1.	6
2.	3
3.	8
4.	1
5.	9
6.	2
7.	11
8.	4
9.	10
10.	7
11.	5

4.

1.		+	
2.	+		
3.			+
4.	+		
5.		+	
6.	+		
7.	+		
8.			+
9.			+
10.		+	

7.

A.	1
B.	2
C.	3

р 0,500 қ 0,060

8.

1.	9
2.	8
3.	1
4.	6
5.	4
6.	2
7.	5
8.	9
9.	10
10.	3

9.

1	2	3	4	5	6	7	8	9	10
A	B	S	T	X	Y	M	E	B	K

10. KСABM

11.

1.	B
2.	B
3.	D
4.	A
5.	E