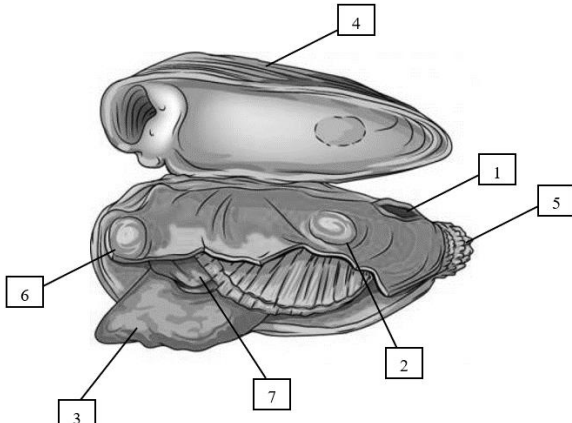
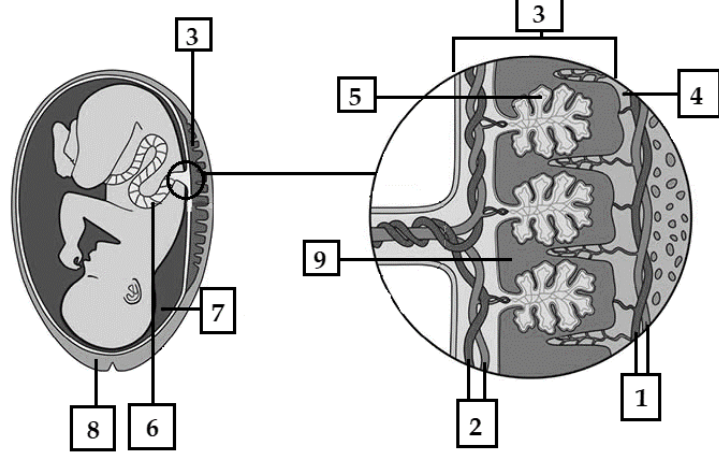


MINISTARSTVO PROSVJETE REPUBLIKE SRBIJE
SRPSKO BIOLOŠKO DRUŠTVO, BEOGRAD
INSTITUT ZA BIOLOGIJU I EKOLOGIJU, PMF, KRAGUJEVAC
Ključ (rješenje) testa za republičko takmičenje iz biologije 27. 05. 2023. godine
II RAZRED SREDNJIH ŠKOLA

Br. pit.	Tačan odgovor	Broj bodova	Ukupno bodova												
1.	4)	1	5												
2.	3)	1													
3.	4)	1													
4.	2)	1													
5.	5)	1													
6.	N	1	5												
7.	T	1													
8.	N	1													
9.	T	1													
10.	T	1													
11.	VI - sinteza sekundarnih metabolita V- kolenhim IV- promjena tipa grananja i nastanak pravih listova I- sekundarno debljanje stabla i korjena III- Kasparijeva traka II- pericikl	6 x 1	6												
12.	IV- nemaju prava tkiva VI- bodljokošci II- dioba dikarionske ćelije VII- metamerija V- sunderi i dupljari I- plazmogamija VIII- člankoviti crvi III- kariogamija	8 x 1	8												
13.	A)- 1 B)- 2 V)- 1 G)- 3 D)- 3	5 x 1	5												
14.	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>A</td> <td>B</td> <td>V</td> <td>G</td> <td>D</td> </tr> <tr> <td>4</td> <td>5</td> <td>3</td> <td>1</td> <td>2</td> </tr> </table>	A	B	V	G	D	4	5	3	1	2	5 x 2	10		
A	B	V	G	D											
4	5	3	1	2											
15.	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>A</td> <td>B</td> <td>V</td> <td>G</td> </tr> <tr> <td>2</td> <td>4</td> <td>3</td> <td>1</td> </tr> </table>	A	B	V	G	2	4	3	1	4 x 2	8				
A	B	V	G												
2	4	3	1												
16.	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>I)</td> <td>2) 0,84</td> <td>II)</td> <td>3) 0,16</td> </tr> <tr> <td>III)</td> <td>3) 1680</td> <td>IV)</td> <td>4) 320</td> </tr> <tr> <td>V)</td> <td>3) 0,48</td> <td></td> <td></td> </tr> </table>	I)	2) 0,84	II)	3) 0,16	III)	3) 1680	IV)	4) 320	V)	3) 0,48			5 x 2	10
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17.	<table border="1"> <tbody> <tr> <td>I)</td> <td>$I^B iaa$ ili $aa I^B i$</td> <td>II)</td> <td>$iiAa$ ili $Aa ii$</td> </tr> <tr> <td>III)</td> <td>2) 25%</td> <td>IV)</td> <td>2) 25%</td> </tr> <tr> <td>V)</td> <td>iA; ia ili Ai; ai</td> <td></td> <td></td> </tr> </tbody> </table>	I)	$I^B iaa$ ili $aa I^B i$	II)	$iiAa$ ili $Aa ii$	III)	2) 25%	IV)	2) 25%	V)	iA ; ia ili Ai ; ai			5 x 2	10				
I)	$I^B iaa$ ili $aa I^B i$	II)	$iiAa$ ili $Aa ii$																
III)	2) 25%	IV)	2) 25%																
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18.	<p>A)</p> <table border="1"> <tbody> <tr> <td>I)</td> <td>autozomno-dominantno</td> </tr> <tr> <td>II)</td> <td>1) AA ili Aa</td> </tr> <tr> <td>III)</td> <td>aa</td> </tr> <tr> <td>IV)</td> <td>Aa</td> </tr> </tbody> </table> <p>B)</p> <table border="1"> <tbody> <tr> <td>I)</td> <td>autozomno-recesivno</td> </tr> <tr> <td>II)</td> <td>2) aa</td> </tr> <tr> <td>III)</td> <td>AA ili Aa i aa</td> </tr> <tr> <td>IV)</td> <td>Aa</td> </tr> </tbody> </table>	I)	autozomno-dominantno	II)	1) AA ili Aa	III)	aa	IV)	Aa	I)	autozomno-recesivno	II)	2) aa	III)	AA ili Aa i aa	IV)	Aa	4 x 2	16
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III)	AA ili Aa i aa																		
IV)	Aa																		
19.		7 x 1	7																
20.		10 x 1	10																
Ukupno bodova			100																