

**ORGANIZIMNI INDIVIDUAL RIVOJLANISHI MAVZUSINI O`QITISHDA
BILIMINI NOSTANDART TEST YORDAMIDA ANIQLASH**

Axmadjanova M. S.

Qo`qon DPI

Yunusov O.

Qo`qon DPI

Abduvoxobova M.

Qo`qon DPI

Anotasiya:

Maqola biologiya fanidan “Organizimni individual rivojlanish” mavzusini o`qitishda o`quvchilarning bilish faoliyatini mustahkamlashda, nostandart testlardan foydalanish masalalariga q`aratilgan.

Nostandart testlar o`zining mazmuni, tuzilishi va qo`llanish maqsadiga ko`ra muayyan darajada farq qiladi.

Nostandart testlar mazmuni va mohiyatiga ko`ra quyidagi guruhlarga ajratiladi:

1. Integrativ testlar, 2. Adaptiv testlar, 3. Mezonli-mo`ljal olish testlari.

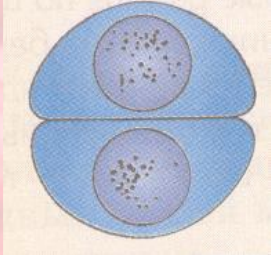

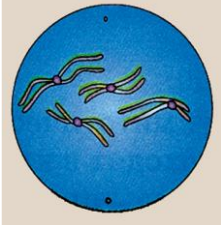
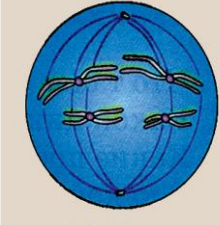
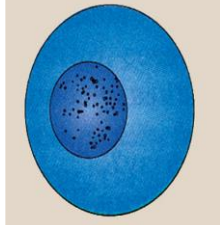
Integrativ testlar integral mazmun, shakl, qiyinchilik darajasi bo`yicha o`sib boruvchi, ta`lim muassasasining bitiruvchisining tayyorgarlik darajasi haqida umumlashgan yakuniy xulosa chiqarishga imkon beradigan test topshiriqlari sanaladi.

Adaptiv testlar avtomatlashtirilgan, o`quvchilarga nisbatan individual yondoshish imkonini beradigan, topshiriq mazmuni, bajarish tartibi.

Mezonli-mo`ljal olish testlari talabalarning umumiy tayyorgarlik darajasi, mazkur kursning o`qitilish sifati, pedagogning pedagogik mahorati, ta`lim-tarbiya jarayoni samaradorligini aniqlash maqsadida o`tkaziladi.

1. Mitoz bo`linishni ketma ketligini moslang.

1)Telefaza; 2) Anafaza; 3)Profaza ; 4) Metafaza 5)Interfaza

Telefaza	Anafaza	Profaza	Metafaza	Interfaza
				

Javob

5	3	4	2	1
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2. Mitoz fazalariga xramasomalar to‘plami va DNK ni moslang.

1) $2n4c$ 2) $2n2c$. 3) $4n4c$ 4) $2n4c$

Mitoz fazalari	javob raqamlar
Profaza	
Metafaza	
Anafaza	
Telefaza	

Javob:

Mitoz fazalari	javob raqamlar
Profaza	1
Metafaza	4
Anafaza	3
Telefaza	2

3. Quyida berilagan fikrlarning qaysilari to‘g‘ri?

- A. Mitoz 4 fazadan iborat.
- B. Profazada yadro kattalashadi, xramasomalar kuchli sipirallashadi.
- C. Metafazada xramasomalar qutiblarga tortiladi.
- D. Anafazada xramasomalar ekvatorida joylashadi.
- E. Telefazada avval kariokinez so‘ngra sitokenez ro‘y beradi.
- F. Anafazada xramasomalar to‘plami va DNK miqdori $4n4c$ bo‘ladi

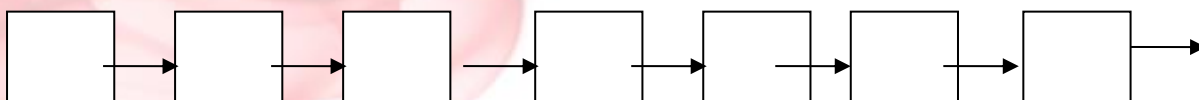
A	B	C	D	E	F

Javob:

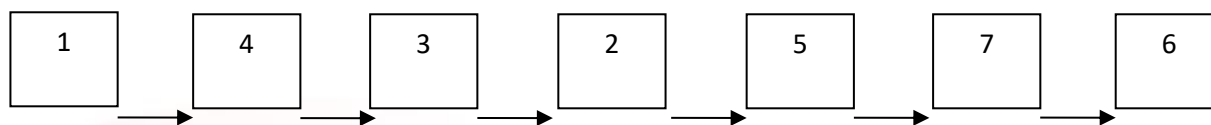
A	B	C	D	E	F
Xa	Ha	yo‘q	yo‘q	Ha	Ha

4. Interfaza davrlari va mitoz sikli ketma – ketligini ifodalagan holda tegishli raqamlarni kataklarga yozing.

1) G_1 ; 4) S; 3) G_2 ; 2) Profaza; 5) Metafaza; 6) Telefaza; 7) Anafaza.



Javobi




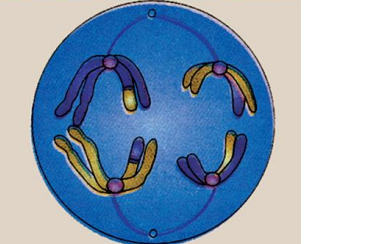
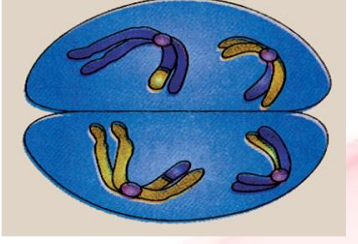
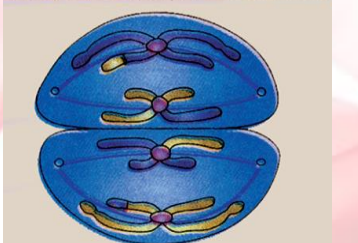
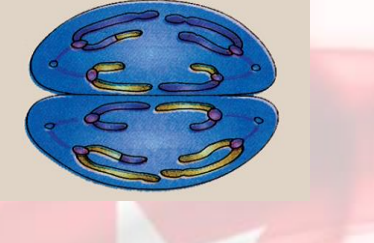
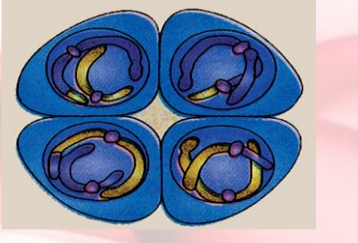
5. Meyoz bo‘linish fazalarini xos xususiyatlariga moslang.

1	Profaza I	A	Gaploid to‘plamli xromosomalar xosil bo‘ladi.					
2	Metafaza I	B	Gomologik xromosomalarni konyugatsiyalanishi va o‘xshash qismlari bilan almashinishi ro‘y beradi.					
3	Anafaza I	C	Xromosomalar juft-juft xolatda xujayraning ekvator tekisligida joylashadi.					
4	Telefaza I	D	Gomologik xromosomalar butinligicha xromatidlarga ajralmagan xolatda qutublarga tamon xarakatlana boshlaydi.					
5	ProfazaII	E	Xromosomalar soni ikki marta kamaygan xujayralar xosil bo‘ladi.					
6	MetafazaII	YO	Xromosomalar spirallashadi, yadrocha yo‘qoladi, bo‘linish urchug‘i xosil bo‘ladi.					
7	AnafazaII	J	Xromosomalar ekvator tekisligida joylashadi.					
8	TelefazaII	Z	Xromatidlar bir biridan ajralib aloxida xromosomalariga aylanadi va qutublarga tomon xarakatlanadi.					
Javob:	1-	2-	3-	4-	5	6	7	8

Javob:	1-B	2-S	3-D	4-E	5-YO	6-J	7-Z	8-A
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6. Meyoz bo‘linishni ketma ketligini o‘ziga xos xususiyatiga moslang. A) Xromosomalar juft-juft xolatda xujayraning ekvator tekisligida joylashadi, gomologik xromosomalar butinligicha xromatidlarga ajralmagan xolatda qutublarga tamon xarakatlana boshlaydi. B) Gomologik xromosomalarni konyugatsiyalanishi va o‘xshash qismlari bilan almashinishi ro‘y beradi. V) Xromosomalar soni ikki marta kamaygan xujayralar xosil bo‘ladi. G) Xromosomalar spirallashadi, yadrocha yo‘qoladi, bo‘linish urchug‘i xosil bo‘ladi. Xromosomalar ekvator tekisligida joylashadi. D). Xromatidlar bir biridan ajralib aloxida

xramasomalarga aylanadi va qutublarga tomon xarakatlanadi E)Ikkta xramasomalari gaploid to'plamga ega bo'lgan xujayralar xosil bo'ladi.

<p>Profaza I</p> 	<p>Metafaza I anafaza I</p> 	<p>Telofaza I</p> 
<p>1-B</p>	<p>2-A</p>	<p>3-V</p>
<p>Profaza II metafaza II</p> 	<p>Anafaza II</p> 	<p>Telofaza II</p> 
<p>4-G</p>	<p>5-D</p>	<p>6-E</p>

Javoblar

<p>1-B</p>	<p>2-A</p>	<p>3-V</p>
<p>4-G</p>	<p>5-D</p>	<p>6-E</p>

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