Министерство дошкольного и школьного образования Республики Узбекистан
2024-2025 учебный год
I четверть
Четвертные суммативные оценочные тестовые вопросы
11-класс
2-вариант

1-20 matematika,21-35 o'zbek tili, 36-50 ingliz tili.
(В-знание; Q-применение; M-вопросы для размышления)

Ученик (ца) (Ф.И.О).. ....

1. (В 1 балл) Вычислите:

$$\lim_{x \to 3}(x^2 - 4x)$$

A) 3   B) -3 C) 4   D) 0

2. (В 1 балл) Найдите угловой коэффициент касательной к графику функции $f(x) = x^2$ в точке $A(3; 9)$.

A) 6   B) 3   C) 1   D) 9

3. **(В 1 балл)** Найдите и сопоставьте производную каждой функции, используя правила вычисления производных.

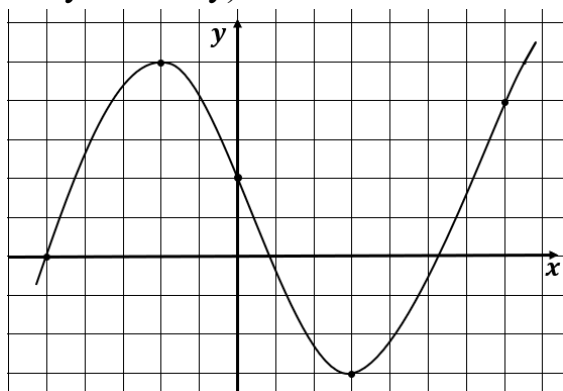| Функции	Производные
I. $y = x^3$	A. $y = -\sin x$
	B. $y = \frac{a^x}{\ln a}$
II. $y = \cos x$	C. $y = \frac{x^4}{4}$
	D. $y = \sin x$
III. $y = a^x$	E. $y = a^x \cdot \ln a$
	F. $y = 3x^2$

A) I-C, II-A, III-B;   B) I-C, II-D, III-B;   C) I-F, II-D, III-E;   D) I-F, II-A, III-E;

4. (Q 4 балла) Вычислите:

$$\lim_{x \to 2}\frac{x^2 - 5x + 6}{x - 2}$$

A) 0   B) 1   C) -1 D) нельзя вычислить

5. (Q 4 балла) Используя график функции $f(x)$, показанный на рисунке, определите, верны или ложны следующие утверждения. (Возьмите одну клетку за одну единицу).

№	Утверждения	верно	неверно
1	$f'(-4) > 0$		
2	$f'(1) < 0$		
3	$f'(4) > 0$		

A) неверно, неверно, неверно   B) верно, верно, неверно

C) верно, верно, верно   D) верно, неверно, неверно

6. (Q 4 балла) Найдите $f'(5)$ для функции $f(x) = \frac{x+3}{x+2}$.

A) $\frac{1}{49}$ B) $-\frac{1}{49}$ C) $-\frac{1}{9}$ D) $\frac{1}{9}$

7. (Q 4 балла) Напишите уравнение касательной к графику функции $f(x) = x^2 + 4x - 5$, параллельной прямой $y = 4x - 2$.

A) $y = 4x - 5$ B) $y = 4x + 5$ C) $y = 8x - 5$ D) $y = 8x + 7$

8. (Q 4 балла) Найдите x_0, если касательные к графикам функций $f(x) = 4x^2 - 17x$ и $g(x) = 7x + 6$ проходящие через точку x_0 параллельны.

A) $x_0 = 3$ B) $x_0 = -3$ C) $x_0 = -2$ D) $x_0 = 4$

9. (Q 4 балла) Найдите промежуток убывания функции.
$$f(x) = -2x^2 + 18x + 7$$

A) $-4{,}5 < x < 0$ B) $x < 4{,}5$ C) $0 < x < 4{,}5$ D) $x > 4{,}5$

10. (Q 4 балла) Найдите сумму стационарных точек функции.
$$y = x^3 + 6x^2 - 4x + 3$$

A) нет стационарных точек   B) 4 C) -8 D) -4

11. (Q 4 балла) В течение времени $t \in [0; 12]$ минут в воздушный шар подаётся воздух объёма $V(t) = t^3 + 10t^2 + 5t + 15$ (m^3). Найдите скорость подачи воздуха в момент времени $t = 5$ минут.

A) $175 \frac{m^3}{\text{минут}}$ B) $225 \frac{m^3}{\text{минут}}$ C) $180 \frac{m^3}{\text{минут}}$ D) $195 \frac{m^3}{\text{минут}}$

12. (М 5 баллов) Используя равенство, найдите $f(x)$.
$$4f(x) + 3f\left(\frac{1}{x}\right) = x$$

A) $f(x) = \frac{4+3x^2}{7x}$ B) $f(x) = \frac{4x^2-3}{7x}$ C) $f(x) = \frac{3-4x^2}{7x}$ D) $f(x) = \frac{3+4x^2}{7x}$

13. (В 4 балла) В пространстве построена декартова система координат и в ней заданы точки $A(0; -5; 0)$, $B(2; 0; -1)$ и $C(3; 2; 1)$. Основываясь на расположении этих точек, определите, верны или неверны следующие утверждения.

№	Утверждения	верно	неверно
1	Точка A лежит на оси Oy		
2	Точка B лежит на плоскости Oxz		
3	Точка C лежит в 1-октанте		

A) верно, верно, неверно;   B) верно, верно, верно;

C) неверно, неверно, неверно;   D) верно, неверно, неверно;

14. (В 4 балла) В какую точку перейдёт точка $A(2; 2; -2)$ при параллельном переносе на вектор $\vec{p}(-1; -1; 1)$?

A) $B(-1; -1; 1)$ B) $B(1; 1; 3)$ C) $B(1; 1; -1)$ D) $B(-3; -3; -1)$

15. (Q 5,2 балла) Найдите растояние между точками $A(2; -4; 0)$ и $B(3; 0; -4)$.

A) $\sqrt{33}$ B) $\sqrt{31}$ C) $\sqrt{32}$ D) $\sqrt{35}$

16. (Q 5,2 балла) Даны векторы $\vec{a}(-2; 3; -4)$ и $\vec{b}(2; -5; 3)$. Найдите координаты вектора $\vec{c} = 2\vec{a} - \vec{b}$.

A) $\vec{c}(-6; 11; -11)$ B) $\vec{c}(6; -11; 11)$ C) $\vec{c}(-2; 1; -5)$ D) $\vec{c}(2; -1; 5)$

17. (Q 5,2 балла) Даны векторы $(6; n; 9)$ и $(-9; -7; m)$. При каких значениях m и n эти векторы будут коллинеарны?

A) $m = \frac{27}{2}; n = \frac{14}{3}$ B) $m = -\frac{27}{2}; n = -\frac{14}{3}$

C) $m = \frac{27}{2}; n = -\frac{14}{3}$ D) $m = -\frac{27}{2}; n = \frac{14}{3}$

18. (Q 5,2 балла) Найдите скалярное произведение векторов $\vec{a}(3; -3; -4)$ и $\vec{b}(2; -3; 4)$.

A) 1 B) -1 C) 16 D) -19

19. (Q 5,2 балла) Найдите косинус угла между векторами $\vec{a} = 2\vec{i} - 4\vec{j} + 4\vec{k}$ и $\vec{b} = -\vec{i} + 2\vec{j} + 2\vec{k}$.

A) $\frac{1}{3}$ B) $\frac{1}{9}$ C) $-\frac{1}{9}$ D) $\frac{3}{4}$

20. (М 6 баллов) Найдите длину медианы AD треугольника с вершинами в точках $A(2; 3; -6)$, $B(-4; 6; 4)$ и $C(4; 6; 8)$.

A) $\sqrt{157}$ B) $\sqrt{171}$ C) $\sqrt{139}$ D) $\sqrt{185}$

21. (B 2 ball) So'z birikmasi bo'lish uchun:

A. So'zlar ma'no jihatdan mos bo'lishi kerak emas.

B. Kamida ikkita mustaqil so'z bo'lishi lozim.

C. Hokim so'z tobe so'z ma'nosini izohlaydi, to'ldiradi.

D. So'zlarning biri ikkinchisiga ergashib kelmaydi, ya'ni tobelanmaydi.

22. (B 2 ball) Tobe soʻzning hokim soʻz talab qilgan qoʻshimcha yoki koʻmakchini olib kelishi ………. deyiladi. Nuqtalar oʻrniga mos javobni tanlang.

A. Bitishuv.   B. Moslashuv.   C. Boshqaruv.   D. Soʻz.

23. (B 2 ball) Toʻrt misradan iborat taʼlimiy-tarbiyaviy mavzuda yoziluvchi sheʼriy asar qanday ataladi?

A.   Toʻrtlik   B. Tuyuq   C. Qitʼa   D. Ruboiy

24. (B 2 ball) Kesimi aniqlik maylidagi feʼllar, tasdiq yoki inkor maʼnosini bildiruvchi otlar orqali ifodalanib, biror voqea haqida xabar bildiruvchi gaplarga qanday gaplar deyiladi?

A. Darak gaplar   B. Soʻroq gaplar

C. Buyruq gaplar   D. Istak gaplar

25. (Q 2,8 ball) Maqollarni moslashtiring.

1. Birovni ustidan kulmagin zinhor,	a. erta-kechi boʻlmaydi
2. Hunarni asrabon netgumdir oxir,	b. bilimli xor boʻlmas
3. Bilim bilan hunarning	c. manmanga zavol
4. Kamtarga kamol,	d. olib tufroqqamu ketgumdir oxir
5. Hunarli kam boʻlmas,	e. sening ustingdan ham kuluvchilar bor

A.   1-b, 2-d, 3-a, 4-c, 5-e   B. 1-e, 2-d, 3-a, 4-c, 5-b

C.   1-d, 2-e, 3-a, 4-c, 5-b   D. 1-c, 2-d, 3-a, 4-e, 5-b

26. (Q 2,8 ball) Jahonda nimaiki oq bo'lsa, unga ona suti timsol; nimaiki jo'shqin bo'lsa, unga ham ona mehri timsol; nimaiki chidamli, sabr-toqatli bo'lsa, ona irodasi timsol; kimki pok muhabbat da'vo qilsa, onaning pok qalbi timsol.

Berilgan gapda moslashuvli so'z birikmalari toʻgʻri koʻrsatilgan qatorni toping.

A) oq boʻlsa, ona suti, pok muhabbat

B) ona suti, ona mehri, ona irodasi, onaning pok qalbi

C) joʻshqin boʻlsa, ona mehri, ona irodasi, pok muhabbat

D) ona suti, ona mehri, ona irodasi, sabr-toqatli

27. (Q 2,8 ball) Soʻroq-buyruq gap berilgan qatorni aniqlang.

A. Yordam bermadingiz? Bu gapni bir gapirding, boshqa ogʻzingga olma

B. Tezroq yurmaysizmi?

C. Qaysi koʻrsatgan karomatingiz uchun men sizga rahmat aytishim kerak?

D. Qani, oldimga tush-chi.

28. (Q 2,8 ball) Darak gaplar berilgan qatorni toping.

A. Eh, bu goʻzal manzaraga bir qarang!

B. Ajoyib joylar ekan-a?-dedi Rustam Qudratga qarab.

C. Tarix! Tarixni koʻzdan kechirmadingizmi?

D. Mamlakatimizda taʼlim sohasida katta islohotlar amalga oshirildi.

29. (Q 2,8 ball) Qaysi gap tarkibida ibora bilan ifodalangan boʻlak mavjud?

A.   Til millat ruhining koʻzgusidir.

B.   Kishining goʻzalligi uning tilidan bilinadi

C.   Egri daraxtning soyasi ham egri boʻladi.

D.   Oʻz koʻnglingni koʻtarishning eng yaxshi yoʻli kimningdir koʻnglini koʻtarishdir.

30. (Q 2,8 ball) Og'zining tanobi qochdi iborasiga zid ma'noli bo'lgan iborani aniqlang.

A. boshi ko'kka yetmoq   B. ko'zi to'rt bo'lmoq

C. qovog'i osilmoq   D. og'ziga qatiq ivitgan

31. (Q 2,8 ball) Quyidagi iboraning ma'nosi izohlangan javobni toping.

Qulog'i ding bo'lmoq

A. Hushyor bo'lmoq   B. Xafa bo'lmoq

C. Xursand bo'lmoq   D. Inoq bo'lmoq

32. (Q 2,8 ball) Matnni ixchamlashtirish……………..

1. Qo'shimcha ma'lumotlar bilan to'ldiriladi.

2. Sodda yoyiq gaplar yig'iq gaplarga almashtiriladi.

3. Qo'shma gaplar sodda gaplarga almashtiriladi.

4. Ko'chirma gaplarni o'zlashtirma gaplarga almashtiriladi.

A. 2,3,4   B. 2,3

C. 1,2,3,4   D. 3,4

33. (Q 2,8 ball) Moslashtiring.

1	Tushuntirish xati	A	Kundalik turmushda o'zaro munosabatlarni ifodalash maqsadida yoziladigan monolik matndir.
2	Ariza	B	Intizomning buzilishiga doir har qanday hodisaning sababini tushuntirib beruvchi hujjat
3	Til xat	C	Muayyan tashkilotga yoki biror shaxs nomiga iltimos, taklif yoki shikoyat mazmunida yoziladigan rasmiy hujjat
4	Xat	D	Pul, hujjat, qimmatbaho buyumlar yoxud boshqa biror narsa olganligini tasdiqlovchi rasmiy hujjat.

A. 1-B.2-A,3-D,4-C

B. 1-A.2-C,3-D,4-B

C. 1-B.2-C,3-D,4-A

D. 1-D.2-C,3-B,4-A

34. (Q 2,8 ball) Durroj so'zining lug'aviy ma'nosini toping.

A) Bedana

B) Qirg'ovul

C) Tuyaqush

D) To'tiqush

35. (M 4 ball) Afaziyani o'rganishda turli tajribalar qo'llanadi. Afazik bemorning nutqiy imkoniyatlarini tekshirish erkin nutq, so'zni takrorlash, rasmni nomlash, rasmni ko'rsatish, matn tinglash va savollarga javob berish kabi bir qator topshiriqlar vositasida amalga oshiriladi. Bu topshiriqlar nutqning to'rt turli voqelanishini, xususan, gapirish, tushunish, o'qish va yozishni tekshirishga mo'ljallangan bo'ladi.

Matnda ajratib ko'rsatilgan so'z (voqelanishini) qanday ma'noni anglatmoqda?

A. Boyib borish
C. O'zgarib borish
B. Paydo bo'lish
D. Namoyon bo'lish

36. (B 2 ball) Choose the correct answer.

Shops sometimes have …. to encourage people to try a new product.

A) exchange

B) promotions

C) refund

D) receipt

37. (B. 2 ball) Read the definition and write the correct adjective.

staying friends with someone even when there are problems

A) reliable

B) loyal

C) annoying

D) easygoing

38. (B 2 ball) Choose the correct answer.

Even the best … would find it difficult to get to the top of that enormous rock!

A) sailor

B) spectator

C) swimmer

D) climber

39. (B 2 ball) Choose the correct answer.

Xavier's trying to … his bike himself after he damaged it in an accident.

A) decorate

B) recycle

C) rebuild

D) mend

40. (Q 2.8 ball) Choose the correct sentence:

A)   He denied to steal the money.

B)   He denied steal the money.

C)   He denied stealing the money.

D)   He denied to stealing the money.

41. (Q 2.8 ball) Choose the correct sentence:

A)   We are thinking about going on vacation.

B)   We are thinking about to going on vacation.

C)   We are thinking about go on vacation.

D)   We are thinking about to go on vacation.

42. (Q 2.8 ball) Choose the correct answer.

Diana _____ to work on Saturdays because she _____ the weekend off.

A)	never goes / has
B)	never going / don't have
C)	never go / isnt having
D)	is never going / is having

43. (Q 2.8 ball) Choose the correct answer.

My sister and I _____ dad today. We _____ flowers in the garden.

A)	am helping / plant
B)	help / plants
C)	are helping / are planting
D)	helps / is planting

44. (Q 2.8 ball) Choose the correct sentence:

A)	While I was studying, my friend was calling me.
B)	While I was studying, my friend called me.
C)	While I studied, my friend was calling me.
D)	While I studied, my friend called me.

45. (Q 2.8 ball) Choose the correct sentence:

A)	He met his friend while he walked to the store.
B)	He was meeting his friend while he walked to the store.
C)	He was meeting his friend while he was walking to the store.
D)	He met his friend while he was walking to the store.

46. (Q 2.8 ball) Choose the correct answer.

I _____ eat a lot of junk food, but now I prefer healthy meals.

A)	am used to		B)	use to
C)	used to			D)	was used to

47. (Q 2.8 ball) Choose the correct answer.

They _____ have a pet dog, but they don't keep it anymore.

A)	used to		B) use to
C)	were used to		D) are used to

48. (Q 2.8 ball) Choose the correct answer.

We _____ leave early to avoid traffic.

A)	must have							C)	should
B)	ought								D)	can

49. (Q 2.8 ball) Choose the correct answer.

She _____ apologize for being late.

A)	have to			B)	should
C)	might			D)	can

50. (M 4 ball) Choose the INCORRECT statement.

Friendship in the 21st century.

Scientist Dr Russell Carley is interested in finding out about friendship in the 21st century. He started by trying to answer the question: Can online friends be as good as face-to-face friends?

Surprisingly, he found that the answer is a big YES! A friend is someone who gives you honest advice and support, and, of course, an online friend can do that. Online friends can also be close friends. Our real friends can't be with us 24 hours a day, but the online community never sleeps! When you feel anxious in the middle of the night, there's always someone who can give you support through a text, a message or just a 'like'. Having online friends is good for your memory, too. There's a lot of information to check every day. When you see an interesting holiday picture, you make a note in your mind to ask your pal about it next time they're online, or when you're together in person.

Also, you can find friends who have the same interests as you more easily. If you're interested in Japanese comics, there will be plenty of people who love that too. For most of us, the online community provides support, it builds our confidence, and we feel loved.

So, if online friends are so good, do we need real friends? Interestingly, Dr Carley's research suggests that we do. As he points out, with your real friends, you are in the same physical space; you create memories together as you experience and enjoy doing things with each other. You have to be more responsible with your real friends, as you can't just 'unfriend' them if you disagree with them!

A) Online friends can give honest advice and support just like real friends.

B) The online community is always available, even in the middle of the night.

C) With real friends, you create memories together by experiencing and enjoying activities.

D) Dr. Carley's research suggests that we do not need real friends if we have online friends.