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

1-20 математика , 21-35 узбекский язык, 36-50 английский язык.
(В-знание; Q-применение; M-вопросы для размышления)

Ученик (ца) (Ф.И.О)…………………………………… ……………………...…………

1. (B 1 балл) Вычислите:

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

A) 12   B) 8   C) 4   D) 9

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

A) 9   B) 3   C) 1,5   D) 4

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

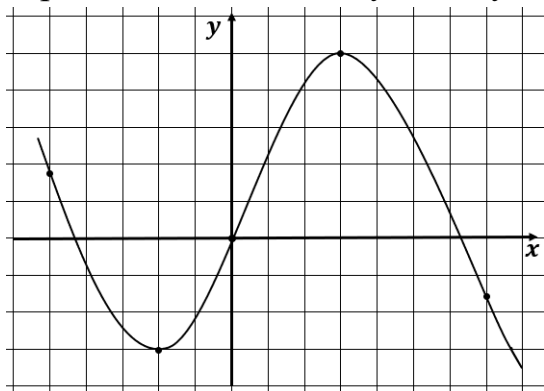| Функции	Производные
I. $y = 8 - 3x$	A. $y = -\frac{1}{sin^2 x}$
	B. $y = \frac{1}{x\, ln10}$
II. $y = \text{ctg}\, x$	C. $y = 8$
	D. $y = \frac{1}{x}$
III. $y = \lg x$	E. $y = \frac{1}{cos^2 x}$
	F. $y = -3$

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

4. (Q 4 балла) Вычислите:

$$\lim_{x \to 4}\frac{x^2 - 16}{x - 4}$$

A) 4   B) 8   C) 0   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	$f'(-1) > 0$		
2	$f'(2) < 0$		
3	$f'(7) < 0$		

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

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

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

A) $\frac{1}{4}$ B) $-\frac{1}{16}$ C) $-\frac{1}{4}$ D) $\frac{1}{16}$

7. (Q 4 балла) Напишите уравнение касательной к графику функции $f(x) = x^2 + 12x + 4$, параллельной прямой $y = 2x$.

A) $y = 2x - 21$ B) $y = 2x + 21$ C) $y = 2x + 41$ D) $y = 2x - 41$

8. (Q 4 балла) Найдите x_0, если касательные к графикам функций $f(x) = 4x^2 - 10x$ и $g(x) = 3x^2$ проходящие через точку x_0 параллельны.

A) $x_0 = -1$ B) $x_0 = -5$ C) $x_0 = 5$ D) $x_0 = 1$

9. (Q 4 балла) Какое из следующих чисел не принадлежит промежутку убывания функции $f(x) = 2x^2 - 16x + 7$?

A) -8 B) 5 C) 0 D) -4

10. (Q 4 балла)) Найдите сумму стационарных точек функции.
$$y = x^3 + 5x^2 - 13x - 9$$

A) $-\frac{4}{3}$ B) $\frac{10}{3}$ C) $\frac{7}{3}$ D) $-\frac{10}{3}$

11. (Q 4 балла) В течение времени $t \in [0; 12]$ минут в воздушный шар подаётся воздух объёма $V(t) = t^3 + 10t^2 + 5t + 15$ (m³). Найдите скорость подачи воздуха в момент времени $t = 4$ минут.

A) $192 \frac{m^3}{минут}$ B) $162 \frac{m^3}{минут}$ C) $133 \frac{m^3}{минут}$ D) $147 \frac{m^3}{минут}$

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

A) $f(x) = \frac{3-x^2}{8x}$ B) $f(x) = \frac{3+x^2}{8x}$ C) $f(x) = \frac{1-3x^2}{8x}$ D) $f(x) = \frac{1+3x^2}{8x}$

13. (В 4 балла) В пространстве построена декартова система координат и в ней заданы точки $A(0; 0; 4)$, $B(2; 0; 6)$ и $C(3; 4; 5)$. Основываясь на расположении этих точек, определите, верны или неверны следующие утверждения.

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

A) верно, неверно, неверно;
B) неверно, верно, верно;
C) неверно, неверно, неверно;
D) верно, неверно, верно;

14. (В 4 балла) В какую точку перейдёт точка $A(-9; 8; -7)$ при параллельном переносе на вектор $\vec{p}(1; -2; 3)$?

A) $B(-8; 6; -4)$ B) $B(8; -6; 4)$ C) $B(-10; 10; -10)$ D) $B(10; -10; 10)$

15. (Q 5,2 балла) Найдите растояние между точками $A(-4; 5; 8)$ и $B(3; -4; -2)$.

A) $\sqrt{230}$ B) $\sqrt{301}$ C) $\sqrt{302}$ D) $\sqrt{235}$

16. (Q 5,2 балла) Даны векторы $\vec{a}(3; -4; 7)$ и $\vec{b}(2; -2; 8)$. Найдите координаты вектора $\vec{c} = -2\vec{a} + 3\vec{b}$.

A) $\vec{c}(0; 2; 10)$ B) $\vec{c}(0; 14; 10)$ C) $\vec{c}(0; 2; 38)$ D) $\vec{c}(12; 2; 10)$

17. (Q 5,2 балла) Даны векторы $(3; n; 8)$ и $(-7; 5; -m)$. При каких значениях m и n эти векторы будут коллинеарны?

A) $m = -\frac{56}{3}$; $n = \frac{15}{7}$ B) $m = \frac{56}{3}$; $n = \frac{15}{7}$

C) $m = \frac{56}{3}$; $n = -\frac{15}{7}$ D) $m = -\frac{56}{3}$; $n = -\frac{15}{7}$

18. (Q 5,2 балла) Найдите скалярное произведение векторов $\vec{a}(9; 5; 4)$ и $\vec{b}(-2; 3; -1)$.

A) -4 B) -7 C) 6   D) -3

19. (Q 5,2 балла) Найдите косинус угла между векторами $\vec{a} = 6\vec{i} - 4\vec{j} + 3\vec{k}$ и $\vec{b} = 2\vec{i} - \vec{j} - \vec{k}$.

A) $-\frac{17}{\sqrt{366}}$ B) $\frac{13}{\sqrt{366}}$ C) $-\frac{13}{\sqrt{366}}$ D) $\frac{21}{\sqrt{366}}$

20. (М 6 баллов) Найдите длину медианы CD треугольника с вершинами в точках $A(-8; 6; -9)$, $B(-4; 6; 5)$ и $C(4; 3; 8)$.

A) $\sqrt{309}$ B) $\sqrt{171}$ C) $\sqrt{209}$ D) $\sqrt{185}$

21. **(B 2 ball)** So'z birikmasida hokim bo'lak egalik qo'shimchasidagi ot bilan ifodalangan bo'lsa, tobe bo'lak qaysi kelishikdagi ot bilan ifodalanadi?

a) qaratqich kelishigidagi

b) tushum kelishigidagi

c) qaratqich va tushum kelishigidagi

d) qaratqich, tushum, jo'nalish, chiqish kelishigidagi

22. **(B 2 ball)** Biror voqea-hodisa haqidagi xabarni, so'roqni yoki buyruqni ifodalovchi asosiy sintaktik butunlik bu ………….. .

A) Gap   B) Boshqaruv   C) Moslashuv   D) So'z

23. **(B 2 ball)** A.Navoiy g'azallari qaysi tillarda yozilgan?

A) Arab va turkiy   B) Arab va forsiy

C) Tojik va forsiy   D) Turkiy va forsiy

24. **(B 2ball) His-hayajonni ifodalab, kuchli ohang bilan aytiladigan gaplar ………………. deyiladi.**

A) Istak gaplar   B) Undov gaplar   C) Buyruq gaplar   D) So'roq gaplar

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

1. Bugungi ishni	A. erta-kechi bo'lmaydi
2.Yaxshilik qilsang yashir,	B. bilimli xor bo'lmas
3. Bilim bilan hunarning	C. manmanga zavol
4. Kamtarga kamol,	D. yaxshilik ko'rsang oshir
5. Hunarli kam bo'lmas,	E. ertaga qo'yma

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

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**) Moslashuvli birikma berilgan javobni aniqlang.

A) choynakdan kattaroq   B) o'quvchining sovg'alari

C) katta xona   D) oynai jahon

27. **(Q 2,8 ball)** Buyruq-xitob undovlari qaysi gapda qatnashmagan?

A) Ey, qotil, nega shunday katta azim terakni nobud qilding?

B) – Hay, usta, -dedi Ma'suma beka,-shu payt chiziqlaringiz kimning qulog'iga kiradi!

C) –Voy-bo', -deb yubordi u. –Yerimiz muncha chiroyli! Globusning o'zginasi-ya!

D) Ey, Luqmoni Hakim, sening dong'ing tutdi olamni, bag'ri keng-ku ilmning, shogirdga ol bolamni.

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

A) Yoshligimning oltin davri shu dargohda o'tdi.

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

C) Eh, bu go'zal manzaraga bir qarang!

D) Tarix! Tarixni ko'zdan kechirmadingizmi?

29. **(Q 2,8 ball)** "Hushyor bo'lmoq" ma'nosidagi ibora qaysi qatorda berilgan?

A) Esini yig'moq   B) Ko'z tutmoq

C) Qulog'i ding bo'lmoq   D) Bosh qashlamoq

30. **(Q 2,8 ball**) Ikki jahon ovorasi frazeologik iborasi qanday ma'no anglatadi.

 A) o'lim to'shagida yotgan   B) sarson-sargardon

 C) sayyoh, jahongashta   D) xafa bo'lgan

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

Adabini bermoq

A) qilmishiga yarasha jazolamoq

B) xafa bo'lmoq

D) boyib ketdi

D) bir lahzaning o'zida nihoyatda g'azablandi

32. **(Q 2,8 ball)** Matnni kengaytirish …………… .

1. qo'shimcha ma'lumotlar bilan to'ldiriladi
2. reja asosida yoki rejasiz amalga oshirilishi mumkin
3. qo'shma gaplar sodda gaplarga almashtiriladi
4. ko'chirma gaplarni o'zlashtirma gaplarga almashtiriladi

A) 1,2,3,4   B) 2,3   C) 1,2   D) 3,4

33. **(Q 2,8 ball)** Moslashtiring.

1	Achchig'idan tushmoq	a	Achinmoq
2	Baland kelmoq	b	Achchiqlanishdan to'xtamoq
3	Oyog'ini tirab olmoq	c	Yengmoq
4	Ichi achimoq	d	O'z fikrini amalga oshishini qaysarlik bilan talab qilmoq

A) 1-b,2-c,3-d,4-a   B) 1-a,2-c,3-d,4-b

C) 1-b,2-a,3-d,4-c   D) 1-d,2-c,3-b,4-a

34. **(Q 2,8 ball**) Qaysi bandda ma'nodosh frazeologizmlar berilgan?

A) zabtiga olmoq, avjga minmoq

B) ko'ksini yerga bermoq, kuragi yerga tegmoq

C) shaftoli qoqmoq, pashsha qo'rimoq

D) do'ppisi yarimta, ko'ngli yarim

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) Paydo bo'lish   B) Namoyon bo'lish

C) O'zgarib borish   D) Boyib borish

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

If you don't like something you've bought, the shop may let you …. It for something else.

    A) discount   B) spend   C) exchange   D) refund

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

behaving in a way that makes other people angry

    A) annoying   B) jealous   C) reliable   D) easygoing

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

Do you prefer being a … at hockey matches, or taking part?

    A) swimmer   B) sailor   C) cyclist   D) spectator

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

I'd like to … my trainers with some special paint I've bought.

    A) recycle   B) rebuild   C) mend   D) decorate

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

    A) He is good at playing tennis.   B) He is good at play tennis.

C) He is good at to play tennis.   D) He is good at play tennis.

41. (Q. 2.8 ball) Choose the correct sentence:
   A) She suggested going for a walk.
   B) She suggested go for a walk.
   C) She suggested to go for a walk.
   D) She suggested to going for a walk.

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

I _____ on holiday to Dubai every year and I _____ at a very nice hotel near the beach.
   A) am going / often stays
   B) don't go / are sometimes staying
   C) go / always stay
   D) aren't going / usually stay

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

In England, it usually _____ heavily all year long but this year, the sun _____ most of the days.
   A) isn't raining / shines   B) rains / is shining
   C) rain / isn't shining   D) doesn't rain / shine

44. (Q. 2.8 ball) Choose the correct sentence:
   A) They played soccer when it was starting to rain.
   B) They were playing soccer when it started to rain.
   C) They were playing soccer when it was starting to rain.
   D) They played soccer when it started to rain.

45. (Q. 2.8 ball) Choose the correct sentence:
   A) She was reading a book when I was calling her.
   B) She read a book when I was calling her.
   C) She was reading a book when I called her.
   D) She read a book when I called her.

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

They _____ visit their grandparents every weekend.
   A) used to   B) use to   C) is used to   D) was used to

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

He _____ be very shy, but now he's more outgoing.
   A) use to   B) used to   C) is used to   D) was used to

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

If you want to pass the exam, you _____ study harder.
   A) could
   B) may
   C) must
   D) can have

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

He _____ see a doctor if the pain continues.
   A) should
   B) could

C) must to

D) will have

50. (M. 4 ball) Choose the CORRECT 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) You can easily 'unfriend' real friends if you disagree with them.

B) Dr. Russell Carley believes that online friends cannot be as good as face-to-face friends.

C) The online community does not help in building confidence or feeling loved.

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