

O'RTA MAXSUS KASB-HUNAR KOLLEJLARI VA AKADEMIK
LITSEYLARIGA KIRUVCHILAR UCHUN

ACER

JAVOBLARINGIZNI (90) 916-94-90 raqamiga sms qilib quyidagi ko'rinishda "46*JAVOBLAR" jo'nating va natijangizni bilib oling. (Masalan: 46*ABCCAD va h.k)

SAVOLLAR KITOBI

SAVOLLAR KITOBI RAQAMI:

009993

Ona tili va adabiyoti (1.1)

Ingliz tili (3.1)

Matematika (2.1)

BLOKLAR:

Test topshiruvchi:

F.I.O.

IMZO

DIQQAT!

Test topshiriqlarini yechishdan avval savollar kitobini varaqlab, unda har bir fan bo'yicha savollar soni to'liqligini tekshiring. Agar savollar soni kamliyi aniqlansa yoki savollar kitobi raqami bilan javoblar varag'idagi "savollar kitobi raqami" bir xil bo'lmasa, darhol auditoriya rahbariga ma'lum qiling.

Savollar kitobida va javoblar varag'ida test topshiruvchining familiyasi, ismi, otasining ismi to'ldirilganligiga va imzosi qo'yilganligiga e'tibor qarating!

TOSHKENT – 2019

ONA TILI VA ADABIYOTI

1. "Alpomish" dostonida aytilgan baxil kishining belgilarini ko'rsating. 1) mehmonga joy bo'lsa-da, yo'q deb qo'ndirmay jo'natgan; 2) mozorotdan o'tayotganda chap oyog'ini uzangidan chiqarmay, mozorotning haqqiga duo qilmay o'tgan; 3) moli ko'p bo'lsa-da, muhtojlarga yordam qilmagan; 4) moli zakotga yetsa-da, zakot bermagan
A) 1,2,4 B) 1, 3,4 C) 1,2, 3 D) 2,3,4
2. 1) sayroqi-tutatqi; 2) otashin- g'ishtin;
3) qishlik - yoshlik; 4) chizg'ich - yulg'ich; 5) oqshomgi - sezgi;
6) erinchoq - maqtanchoq.
Berilgan juftliklarning qaysilarida ot va sifat yasovchi omonim (shakldosh)
qo'shimchalar ishtirok etgan?
A) 1,2,4,5 B) 2, 3, 4, 5, 6
C) 1,3,4,5 D) barchasida
omonim qo'shimchalar ishtirok etgan
3. "Devon-u lug'otit turk" asarida *eng ochiq, ravon til* deb qaysi til aytilgan?
A) yag'mo, tuxsi tili
B) qarluq tili
C) o'g'iz tili
D) hoqoniylasida yashovchilarning tili
4. Quyidagi gap qo'shma gaplarning qaysi turiga mansub?
Rejadagi zarur ishlarni amalga oshirishga vaqt yetkaza olmayapman , sen bo'lsa faqat dam olaylik deysan.
A) bog'lovchisiz qo'shma gap
B) murakkab qo'shma gap
C) Bog'langan qo'shma gap
D) ergashgan qo'shma gap
5. Muzaffarning lo'ppi yuzidagi achinish alomati xushnud tabassum bilan almashdi. Ushbu gapda otli so'z birikmalarining soni nechta?
A) 6ta B) 4 ta C) 7 ta D) 5 ta
6. *Bu uyda o'qituvchilar, shifokorlar, muhandislar va nafaqachilar yashaydi.*
Ushbu gapda noo'rin qo'llangan so'zni toping
A) o'qituvchilar B) muhandislar
C) nafaqachilar D) shifokorlar
7. O'zaro bir so'z turkum doirasidagina shakldoshlik hosil qiluvchi so'zni belgilang?
A) Ot B) yoz C) tosh D) sir
8. Qaysi iboraning ma'nosи beparvo, beg'am so'zlariga sinonim bo'la oladi?
A) chuchvarani xom sanamoq B) do'ppisi yarimta
C) qush kabi yengil tortmoq D) kayfi xush
9. Qaysi gapda lug'aviy shakl yasovchi qo'shimcha ta'sirida asos fonetik o'zgarishga uchraydi?
A) Dor qurilgan maydonda bolalar arqonlarga osilib o'ynashmoqda.
B) Ota olov va suv girdobidan ozodlik maydoniga chiq qoladigan o'g'li borligidan g'ururlanadi.
C) Bir umr shu xonadonga o'rashib olishga harakat qildi.
D) Endi qayrilish bilmasin bu qanot.
10. O'lmas Umarbekovning qissalarini toping. 1. "Sevgim, sevgilim", 2. "Sud",
3. "Kimning tashvishi yo'q", 4. "Urush farzandi", 5. "Komissiya", 6. "Damir Usmonovning ikki bahori", 7. "Shoshma quyosh"
A) 1,2,5,6 B) 1,3,4,6
C) 1,4,5,7 D) 1,3,5,6

11. Baytda qo'llangan badiiy san'atni aniqlang.
Sendek menga bir yori jafokor topilmas,
Mendek sanga bir zori vafodor topilmas. (Bobur)
A) Tashxis B) Tarse C) Tashbeh D) Talmeh
12. «Susambil» ertagida boy bozordan nima sotib olibdi?
A) Bir qop guruch B) Bir qop shakar
C) Bir qop tuz D) Bir qop un
13. Qaysi asarda dunyo xaritasida yo'q mamlakatlar tasvirlangan?
A) "Kichkina shahzoda"
B) "Qor malikasi"
C) "Bo'chka cho'pchagi"
D) "Gulliverning sayohatlari"
14. Berilgan so'zlardan nechtaси imlo qoidasiga ko'ra noto'g'ri yozilgan?
halqum, habash, xokisor, hashorat, tadqiqot, tadbiq, qat'iy nazar
A) 2 ta B) 4 ta C) 5 ta D) 3 ta
15. Eh, g'ir-g'ir, ofarin, shekilli, evoh, yalt-yult, shubhasiz, hoy, duv-duv, beh-beh, albatta, qars-qurs, afsuski. Ushbu qatorda nechta modal so'z berilgan?
A) 4 ta B) 3ta C) 5ta D) 6ta
16. Odil Yoqubovning romanlari toping. 1."Er boshiga ish tushsa", 2."Muzqaymoq", 3."Ulug'bek xazinasi", 4."Ko'hna dunyo", 5."Billur qandillar", 6."Diyonat", 7."Oqqushlar, oppoq qushlar", 8."Qanot juft bo'ladi"
A) 1,3,4,6,7 B) 1,3,5,7,8
C) 1,2,4,6,7 D) 1,2,4,6,8
17. Quyidagi darak gaplarning qaysi birida tasdiq ma'nosи kuchliroq ifodalangan?
A) Bugun barcha bir butun millat bo'lib uyg'onmas ekan, kelajak yo'lidiagi uy-ro'zg'orimiz kamol topmaydi - fiksizlik, nodonlik oyog'imizga tushov bo'laveradi.
B) To'ksila manglay tering, Unumli bo'lar yering.
C) U do'stiga qattiq ishongan edi.
D) Maqsadimga yetmay qo'ymayman.
18. Qaysi duo zardushtiylikda e'tiqod duosi bo'lib, U islomdagи kalimayi vahdat va kalimayi shahodat singari vazifalarini ado etgan?
A) Axuna varya B) Videvdat
C) D) Mazdayana
19. Meni men istagan o'z suhabatiga arjumand etmas.
Ushbu gap qanday bo'laklardan tashkil topgan?
A) ega, qaratqich aniqlovchi, vositali to'ldiruvchi, kesim
B) ega, vositali to'ldiruvchi, kesim
C) vositasiz to'ldiruvchi, ega, sifatlovchi aniqlovchi, qaratqich aniqlovchi, vositali to'ldiruvchi, kesim
D) vositasiz to'ldiruvchi, ega, qaratqich aniqlovchi, vositali to'ldiruvchi, kesim
20. Abdulla Avloniyning "Advokatlik osonmu?" pyesasidagi "Barakkallachilaraing gapiga kirib" katta to'y qilib qarzga botgan qahramonni toping.
A) Haydarali B) Egamberdi
C) Xushvaqt D) Abdujabbor
21. **Ikki ko'zi har nav mollar bilan to'la xurjunni yelkaga tashlab, inqillab kirdi (O).** Ushbu gapdagi ma'no ko'chish turini aniqlang.
A) metonimiya B) metafora
C) sinekdoxa D) vazifadoshlik
22. Imloviy jihatdan noto'g'ri yozilgan so'zlar sonini aniqlang.
Sozovor, talofat, rahmat, xoxlamоq, taqdим, tag'dir.
A) 6 ta B) 4 ta C) 5 ta D) 3 ta
23. "Bordi-yu, ko'ngullar yuzingning visoliga yetsin, desang, unda sochingni boshdan-oyoq o'rab- chirmab tashla". Ushbu

- parcha Navoiyning qaysi g'azalidan?
A) "kelmadi" B) "Deyin"
C) "Qilg'il" D) "Bo'ldum sanga"
24. Berilgan to'gri hukmni aniqlang.
A) Ajratilgan izohlovchilar, asosan, izohlanmishdan keyin keladi.
B) Ajratilgan bo'lak yozuvda vergul, tire va ba'zan ikki nuqta bilan ajratiladi.
C) Ajratilgan bo'lak yozuvda vergul, tire va ba'zan qo'shtirnoq bilan ajratiladi.
D) Ajratilgan izohlovchilar, ko'pincha, aniqlovchiga taalluqli bo'ladi.
25. Qaysi qatordagi so'zlarda pastki lab bilan yuqori tishlar orasida hosil bo'ladigan tovush ishtirot etgan?
A) astagina, daraxt B) bo'g'iz, qadrdon
C) avtomashina, faqat D) puflamoq, shirin
26. Bog'lovchisiz qo'shma gap qismlari orasiga vergul qo'yilish holati qaysi javobda noto'g'ri berilgan?
A) tuzilish jihatdan bir xil bo'lib, sanash ohangi bilan talaffuz qilinuvchi bog'lovchisiz qo'shma gaplarda
B) bir paytda ro'y beruvchi hodisalarni ifodalovchi bog'lovchisiz qo'shma gaplarda
C) ketma-ket ro'y beruvchi hodisalarni ifodalovchi bog'lovchisiz qo'shma gaplarda
D) o'xshatish munosabatlarni ifodalovchi bog'lovchisiz qo'shma gaplarda
27. Cho'lpomning "Binafsha" she`rida "qayg'u" so'zi necha marta qo'llanilgan?
A) 7. B) 6. C) 9. D) 5.
28. Qaysi gapda olmosh turkumiga mansub so'zlar faqat ega va aniqlovchi vazifasida kelgan?
A) Nima ro'zg'orga kerak bo'lsa, dadam o'shani bozordan keltiraverar edi.
B) Kimki boshqalarga rahm-u shafqat qilmasa, unga hech kim rahm-u shafqat qilmaydi.
C) Har kim o'z og'zining qoravuli bo'lsa, uning nafasi hech qachon bo'g'ilmaydi.
D) Kimki shoshilmay, aql-u tadbir bilan ish tutsa, u o'z maqsadlariga oson erishadi.
29. «O'zbekiston Respublikasi hududida yashovchi shaxslar, o'z millatidan qat'i nazar, o'z ismini, otasining ismi va familiyasini milliy-tarixiy an'analarga muvofiq yozish huquqiga egadirlar». Ushbu fikr «Davlat tili to'g'risida»gi Qonunning nechanchi moddasida aks etgan?
A) 15-moddada B) 17-moddada
C) 16-moddada D) 18-moddada
30. Besh o'rinda yasama so'z ishtirot etgan, yasama so'zlardan birining asosi ikki xil yuqori tor unlilaridan iborat bo'lgan gapni toping.
A) Ipak kiyim-kechaklar dazmullanmasligi ma'qul, agar zarur bo'lsa, teskari tomonidan yoki ustiga zig'ir tolasidan to'qilgan mato qo'yib, qattiq qizimagan dazmol bilan dazmullanadi.
B) Qo'zg'algan kasallikni yengish uchun tirik tanda «antitanacha»lar hosil bo'ladi, ammo bu kasallikni yengish uchun har doim ham mikroorganizmlarning samaradorligi sezilarli bo'lmasligi mumkin.
C) Hamdardlik - bir odamning qayg'u-hasratlariga achinib, o'zida ham qayg'u hosil qilishidir, lekin quruq hamdardlik foyda bermaydi.
D) Uning goh yig'lagisi, goh kulgisi, goh butun kechani ostin-ustun qilib qo'shiq aytgisi kelardi.
-
- INGLIZ TILI**
-
31. More than 80 people came to the exhibition, many of ... children had pictures on the walls.
A) which B) who C) whom D) whose
32. Choose the answer which correctly completes the sentence.
– I feel like going to the cinema tonight.
– Good idea! What's ... at the moment?
A) on B) about C) in D) up
33. Choose the answer which correctly completes the sentence.
"The Guinness Book of Records "... in the fifties
A) first published
B) was first published
C) has first been published
D) were first published
34. Choose the answer which correctly completes the sentence.
Paul's dog has had two puppies and he says I can have ... of them,
but ... are very cute, and I can't decide between them.
A) both/either B) either/all
C) one/both D) any/every
35. Paraphrase the sentence. Do you know if it is common to give a waiter a tip?
A) He wanted to know that if he could ask some tip of waiter.
B) He asked me whether it was common to give a waiter a tip.
C) He was eager to get a waiter some tip.
D) He was sure that it was common to give a waiter a tip.
36. Choose the answer which correctly completes the sentence.
Some of the younger pop bands try ... their musical heroes from the past.
A) imitating B) imitate
C) to imitating D) to imitate
37. Choose the answer which correctly completes the sentence.
He ... hasn't explained to us why he packed the secretary.
A) yet B) already C) just D) still
38. Choose the answer which correctly completes the sentence.
A new dictionary containing more words than ever before is about to
A) was published B) be published
C) published D) will be published
39. Choose the answer which correctly completes the sentence.
Knowledge of a subject on its own is not enough to be able to teach it to
A) the other B) others
C) the others D) other
40. Choose the answer which correctly completes the sentence.
Would you please remember ... away all the books when you have finished your work?
A) put B) puts C) to put D) putting
41. Choose the answer which correctly completes the sentence.
If you go down the river to ... Tower of London you will pass St. Paul's Cathedral
A) - B) a C) the D) an
42. ... they get the letter tomorrow, you still won't get a reply before the weekend.
A) even though B) however
C) even if D) while
43. Choose the answer which correctly completes the sentence.
I ... for Quick Business Company for ten years in May.

A) will have worked B) has worked C) will work D) was working	56. Choose the answer which correctly completes the sentence. The kitchen roof ... leak when it rains. A) ought B) is at C) is apt to D) must
44. Choose the answer which correctly completes the sentence. I didn't know ... he was married. A) what B) that C) whose D)	Read the text. Then choose the correct answer for each question below (57-60). The modern Olympic Games or Olympics are the leading international sporting event featuring summer and winter sports competitions in which thousands of athletes from around the world participate in a variety of competitions. The Olympic Games are considered to be the world's foremost sports competition with more than 200 nations participating. The Olympic Games are held every four years, with the Summer and Winter Games alternating by occurring every four years but two years apart. In 776 B.C., the first Olympic Games were held at the foot of Mount Olympus to honour the Greeks' chief god, Zeus. The ancient Greeks emphasized physical fitness and strength in the education of youth. Therefore, contests in running, jumping, discus and javelin throwing, boxing, and horse and chariot racing were held in individual cities, and the winners competed every four years at Mount Olympus. Winners were honoured by having olive wreaths placed on their heads and having poems sung about their deeds. Originally these were held as games of friendship, and any wars in progress were halted to allow the games to take place.
45. Choose the answer which correctly completes the sentence. Good parents teach their children to be self-reliant as they grow up, ... ? A) do they B) don't they C) will you D) aren't they	57. Which is not true according to the passage? The first Olympic Games were held ... A) to diminish continuous wars. B) to honour the principal God. C) at the foot of Mount Olympus. D) to provide competitions in various kinds of sport activity.
46. Choose the answer which correctly completes the sentence. There aren't many people here, ...? A) was there B) aren't there C) is there D) are there	58. The author of the passage counterpleads that ... A) competition winners honored themselves by having olive wreaths on their heads. B) winners' deeds were glorified by poets. C) the winners firstly competed in individual cities. D) competitions were held in more than one sport,
47. Choose the answer which correctly completes the sentence. "Can you tell me what the time is?" asked a man. A man asked me what A) was the time B) is the time C) the time was D) lime is	59. One can learn from the passage that the ancient Olympics had the following peculiarity: A) all Olympic Games were held at the top of Mount Olympus. B) all the wars were stopped while competitions. C) the winners of individual events competed every five years at Mount Olympus. D) all competitions were halted to let poem singing take place.
48. Choose the answer which correctly completes the sentence. The weather wasn't very good yesterday, but it's ... today. A) best B) better C) good D) well	60. Which is opposite in meaning to the verb "halt" in the passage? A) pursue B) postpone C) suspend D) delay
49. Choose the answer which correctly completes the sentence. Dinosaurs were the largest animals ever to live on earth, and they ... the Earth for a very long period of time. A) had been ruling B) ruled C) were ruling D) had been ruled	MATEMATIKA
50. Choose the answer which correctly completes the sentence. What a mess! The room needs ... before the guests arrive. A) to clean B) cleaned C) clean D) cleaning	61. To'g'ri chiziq doiraning aylanasini uzunliklarining nisbat 1:3 kabi bo'lgan ikki yoyga ajratadi. Bu chiziq doiraning yuzini qanday nisbatda bo'ladi? A) $\frac{\pi+2}{3\pi+2}$ B) $\frac{\pi-2}{3\pi+2}$ C) 1:9 D) $\frac{\pi+1}{2\pi+1}$
51. Choose the answer which correctly completes the sentence. ... the dancers looked so elegant as they moved slowly round the room. A) The whole B) Each C) All D) Every	62. $3^{x-5} + 3^{x-7} + 3^{x-9} = 45,5 + 22,75 + 11,375 + \dots$ tenglamaning [0;10] oraliqdagi ildizlarini toping. A) 1;9 B) 2;8 C) 9 D) yechimga ega emas.
52. Choose the answer which correctly completes the sentence. My hair's such a ... today! A) mess B) discipline C) line D) naughty	63. Anvar aka bozorga tuxum olib keldi va birinchi xaridorga tuxumlarning yarmini va yana bitta, ikkinchi xaridorga qolganining yarmini va yana bitta, uchinchi xaridorga qolgan tuxumlarning yarmini va yana bitta tuxum sotdi. Shunda
53. Choose the answer which correctly completes the sentence. — I thought it was a waste of money to throw away the food. — ... A) My mother didn't either B) So did my mother C) Neither did I D) So do I	
54. Choose the answer which correctly completes the sentence. If you need a ride back from the airport, call-me. If I don't hear from you, I'll assume that ... is okay. A) everything B) nothing C) anything D) somewhere	
55. ... we better get an expert's opinion on this before we make a decision. A) didn't B) hadn't C) shouldn't D) oughtn't	

o'zida 14 ta tuxum qoldi. U bozorga nechta tuxum olib kelgan?
 A) 126 B) 50 C) 100 D) 96

64. Har bir ichki burchagi markaziy burchagidan 10 marta katta bo'lishi uchun ko'pburchakning nechta tomoni bo'lishi kerak?
 A) 22 B) 28 C) 24 D) 16

65. $y = \sqrt{\frac{(x-2)(4-x)}{x(x+3)}}$ funksiyaning aniqlanish sohasini toping.
 A) $(-3; 0) \cup [2; 4]$ B) $[-3; 0] \cup (2; 4)$
 C) $(-3; 0) \cup [2; 4]$ D) $(-\infty; -3) \cup (0; 2) \cup (4; \infty)$

66. Muntazam uchburghakli prizmaning hamma qirralari teng. Agar asos medianasi $6\sqrt{3}$ ga teng bo'lsa, prizmaning hajmini toping.
 A) $432\sqrt{3}$ B) $864\sqrt{3}$ C) $288\sqrt{3}$ D) $144\sqrt{3}$

67. t ning qanday qiymatida $y=tx^2+16tx+68t$ tenglama bilan berilgan parabolaning hamma nuqtalari OX o'qidan yuqori bo'lмаган holda joylashadi.
 A) $(0; 4)$ B) $(-\infty; 0)$
 C) $(-\infty; -4) \cup (4; \infty)$ D) $(-\infty; -4)$

68. Muntazam prizmaning asosi bo'lib, burchaklaridan biri 80° bo'lgan teng yonli trapetsiya hisoblanadi. Prizmaning yon yoqlari hosil qilgan katta ikki yoqli burchakni toping.
 A) 100° B) 80° C) 120° D) 90°

69. $f(x)=\frac{2}{x-1}$ ning barcha boshlang'ich funksiyalarini toping.
 A) $\ln(x-1)^2 + C$ B) $\ln(x-1) + C$
 C) $\frac{2}{x-1} + C$ D) $\ln x + C$

70. Radiusi R bo'lgan sharga balandligi H bo'lgan muntazam uchburghakli prizma ichki chizilgan. Prizmaning hajmini toping.
 A) $\frac{3\sqrt{2}H}{16}(4R^2-H^2)$ B) $\frac{3\sqrt{3}H}{16}(4R^2-H^2)$
 C) $\frac{3\sqrt{3}H}{16}(2R^2-H^2)$ D) $\sqrt{3}H(4R^2-H^2)$

71. $\int_1^2 \sqrt[3]{x^5} dx$ ni hisoblang.

A) $5(2\sqrt[3]{4}+1)/7$ B) $7(2\sqrt[3]{4}+1)/5$
 C) $7(2\sqrt[3]{4}-1)/5$ D) $5(2\sqrt[3]{4}-1)/7$

72. $(3-x)\sqrt{2x+8-x^2} \geq 0$ tengsizlikni yeching.
 A) $[-2; 3] \cup \{4\}$ B) $[-2; 3]$
 C) $(-\infty; -2]$ D) $(-\infty; 3]$

73. $(4-x^2)\sqrt{-1-3x}=0$ tenglamaning ildizlari yig'indisini toping.
 A) $-\frac{7}{3}$ B) $\frac{1}{3}$ C) $-\frac{1}{3}$ D) $\frac{7}{3}$

74. Hisoblang $45813 \cdot 45816 - 45812 \cdot 45815$.
 A) 137446 B) 81628 C) 91628 D) 241586

75. Ushbu $\sin 3x = \cos 5x$ tenglamani yeching.

A) $\frac{\pi}{4} + \pi n, \frac{\pi}{16} + \frac{\pi n}{2}, n \in \mathbb{Z}$ B) $\frac{\pi}{15} + \frac{\pi n}{3}, n \in \mathbb{Z}$
 C) $\frac{\pi}{4} + \frac{\pi n}{4}; \frac{3\pi}{4} + \frac{\pi n}{2}, n \in \mathbb{Z}$ D) $\frac{\pi}{16} + \frac{\pi n}{4}; \frac{3\pi}{4} + \pi n, n \in \mathbb{Z}$

76. Maxraji 30 ga teng barcha qisqarmas to'g'ri kasrlar

yig'indisini toping.

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

77. Konus asosining radiusi 2 ga, o'q kesimining uchidagi burchak esa 60° ga teng. Konusga tashqi chizilgan muntazam uchburghakli piramidaning hajmini toping.
 A) $3\sqrt{3}$ B) 24 C) $4\sqrt{3}$ D) $2\sqrt{3}$

78. Soddalashtiring $\frac{\sin 8\alpha - \sin 12\alpha}{\cos 10\alpha \cdot \sin 2\alpha}$.
 A) $-2 \sin 2\alpha$ B) $2 \sin 2\alpha$ C) $-2 \cos 2\alpha$ D) -2

79. $\alpha = 30^\circ$, $a = (tg\alpha)^{\text{iga}}$, $b = (ctg\alpha)^{\text{ciga}}$, $c = (ctg\alpha)^{\text{iga}}$ bo'lsa, quyidagilardan qaysi biri o'rni?
 A) $b > c > a$. B) $b > a > c$. C) $a > c > b$. D) $c > b > a$.

80. Agar $90^\circ \leq x \leq 180^\circ$ bo'lsa, $4\cos^2 x + \sin x \cdot \cos x + 3\sin^2 x = 3$ tenglama ildizlarining yig'indisini toping.
 A) 210° B) 150° C) 225° D) 135°

81. $\vec{i}, \vec{j}, \vec{k}$ – koordinata o'qlari bo'yicha yo'naltirilgan birlik vektorlar. $\vec{a} = 5\vec{i} + \sqrt{2}\vec{j} - 3\vec{k}$ vektorlar orasidagi burchak kosinusini toping.

A) $\frac{1}{2}$ B) $\frac{5}{6}$ C) $\frac{2}{3}$ D) $\frac{3}{4}$

82. ABCD kvadrat tekisligiga A uchidan AK perpendikulyar o'tkazilgan. Agar $AB=3$, $BK=4$ bo'lsa, K nuqtadan kvadratning C uchigacha bo'lgan masofa qanday bo'ladi?

A) 6 B) 5 C) $5\sqrt{2}$ D) 4

83. $f(x) = e^{2x-4} + 2\ln x$ $f'(2) = ?$
 A) 2 B) 3 C) 5 D) 4

84. 5; 9; ... arifmetik progressiyada juft nomerli hadlar ularga qarama-qarshi sonlar bilan almashtirildi. Hosil bo'lgan ketma-ketlikning 40 ta hadi yig'indisini toping.
 A) -69 B) -56 C) -80 D) -84

85. $\log_2(x+8x^2-x^3) < \log_2 x^2 + \log_2 x + 3$ tengsizlikni yeching.
 A) $(1; 4)$ B) $(0; 1)$
 C) $(1; 4+\sqrt{17})$ D) $(0; 4+\sqrt{17})$

86. Eng kichik axborot uzatish birligini ko'rsating.
 A) bayt B) Belgi C) bit D) bod

87. A1=-5, A2=1, B1=8, B2=4 bo'lsin. Natija -13 ga teng boladigan fo'rmulani aniqlang
 A) =ЗНАК(A1-B2+A2+B1)*5
 B) =ЦЕЛОЕ(A1+A2/B2-B1)
 C) =ОЧТАТ(A1+B2;A2+B1))
 D) =СЧЕТЕСЛИ(A1:B2;">-1")*7

88. Paskal tilining quyidagi takrorlash operatorlaridagi takrorlanishlar sonini aniqlang:
 I:=2014; While i<=1997 do i:=i-1;
 A) 18. B) 1. C) 17. D) 0.

89. O'n oltilik sanoq sistemasidagi 1AF sonni o'nlik sanoq sistemasiga o'tkazing.
 A) 431 B) 831 C) 787 D) 175

90. Paskal.Quyaiddagi dastur natijasini aniqlang
 var x,y,z:real;
 begin y:=-1; x:=0;
 if (x>=0) and (1+sqrt(x)<>0) then

```
begin z:=sqr(1+y+x)/(1+sqrt(x));
```

```
write('z=',z;5:2); end
```

```
else write('hisoblab bo'lmaydi); end.
```

A) Z=0,00 B) Z=2,00

C) Hisoblab bo'lmaydi D) Kompilyatsiyada xatolik xabari
chiqadi