OLIY TA’LIM MUASSASALARIGA

KIRUVCHILAR UCHUN

"XORAZM ILM ZIYO" NTM

+998995607273 raqamiga SMS yuboring.	**3459HTRH*Familiya Ism (Viloyat) *JAVOBLAR**

Namuna: 3459HTRH*Boltayev Anvar (Qashqadaryo)*BAADACCCAACA…

Izoh:

1) Agar sizni ism familiyagizda yoki viloyatingiz nomida **O‘,G‘** harflari qatnashsa ularni o‘rniga **U** va **G** harflarini ishlating.

2) Harflarni faqat lotin alifbosida yozing.

3) Repetitsion testlar faqat ko‘rsatilgan sanalar uchun yaroqli. **15.07.2019-17.07.2019**

4) Repetitsion testning sms javoblari soat **21:00** gacha qabul qilinadi.

Natijalar: Har kuni @repetitsiontestuz kanalida soat **22:00** e’lon qilinadi

SAVOLLAR KITOBI

999998

BLOKLAR:

Matematika (3.1)
Fizika (2.1)
Ingliz tili (1.1)

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 kamligi 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!

URGANCH – 2019

MATEMATIKA

1. $\overline{1234ab}$ (olti xonali) son 8 va 9 ga qoldiqsiz bo'linsa, a va b lar ayirmasining moduli qanday bo'ladi?
A) 8 B) 2 C) 4 D) 9

2. $n \in N$ va $\frac{1}{2}+\frac{1}{3}+\frac{1}{7}+\frac{1}{n}$ yig'indi butun son bo'lsa, quyidagilardan qaysi biri noto'g'ri?
A) n 3 ga bo'linadi B) $n > 84$
C) n 6 ga bo'linadi D) n 2 ga bo'linadi

3. Agar $400 \le x \le y \le z \le t \le 625$ bo'lsa, $\frac{x}{y}+\frac{z}{t}$ ifodaning eng kichik qiymati qanday bo'ladi?
A) 0,4 B) 0,2 C) 1,8 D) 1,6

4. Agar $x^2+z^2+x+2z+1\frac{1}{4}=0$ bo'lsa, $x \cdot z$ ning ko'paytmasi nimaga teng?
A) 0,25 B) 0,4 C) 1 D) 0,5

5. $\left(1-\frac{1}{5^2}\right)\left(1-\frac{1}{6^2}\right)..\left(1-\frac{1}{14^2}\right)(x-1)=\frac{3}{7}$ tenglamani yeching.
A) 0,5 B) 1 C) 2 D) 1,5

6. ABC uchburchakning tomonlarida M, N va P nuqtalar shunday olinganki, ular AB, BC va CA tomonlarni A, B va C uchlardan hisoblaganda 1:2 nisbatda bo'ladi. Agar $ABC = S$ uchburchakning yuzi ma'lum bo'lsa, MNP uchburchakning yuzini toping.
A) $\frac{2}{5}S$ B) $\frac{1}{3}S$ C) $\frac{1}{2}S$ D) $\frac{2}{3}S$

7. Doiraning yuzi 44% ortishi uchun uning radiusi necha foizga ortishi kerak?
A) 30 B) 35 C) 20 D) 25

8. AC asosli ABC teng yonli uchburchakka $FBDG$ parallelogramm Shunday ichki chizilganki, B uchdagi burchak umumiy, G nuqta esa AC asosda yotadi. Agar $BC = 14$ sm bo'lsa, parallelogrammning perimetri qanday bo'ladi (sm)?
A) 14 B) 20 C) 28 D) 24

9. Muntazam oltiburchakning kichik diagonali $6\sqrt{3}$ ga teng. Ushbu oltiburchakka tashqi chizilgan aylana uzunligini toping.
A) 9π B) 18π C) 16π D) 12π

10. a va b ning qanday qiymatlarida $\begin{cases} 2x-3y=b \\ ax-4{,}5y=6 \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimlarga ega?
A) $a \ne 3; b=4$ B) $a=3; b \ne 4$
C) $a=-3; b=4$ D) $a=3; b=4$

11. $\sqrt{x^2-4x+5}+\sqrt{2x^2-8x+17}=4$ tenglama nechta ildizga ega?
A) 5 B) 3 C) 4 D) 1

12. $a=\frac{15}{32}$, $b=\frac{21}{24}$ va $c=\frac{33}{38}$ sonlarni o'sish tartibida joylashtiring.
A) $b<c<a$ B) $a<c<b$
C) $c<b<a$ D) $b<a<c$

13. $x\sqrt{3-2x-x^2} \ge 0$ tengsizlikni yeching.
A) $[1;\infty)$ B) $[0;\infty)$ C) $[0;1]$ D) $\{-3\} \cup [0;1]$

14. Arifmetik progressiyada $S_n - S_{n-1} = 52$, $S_{n+1} - S_n = 63$. Progressiyaning ayirmasini toping.
A) 10 B) 12 C) 11 D) 13

15. $\left(\frac{2}{3}\right)^x = \sqrt[4]{1{,}5}$ tenglamaning ildizi 1 dan qanchalik kichik?
A) 1,25 B) 0,75 C) 1,75 D) 1,5

16. $\log_2^2 x - 4\log_2 x + 3 = 0$ tenglama ildizlarining yig'indisini toping.
A) 10 B) 6 C) 12 D) 8

17. A nuqtadan α tekislikka ikkita: $AB = 20$ sm va $AC = 15$ sm og'malar o'tkazilgan. AB og'maning α tekislikdagi proeksiyasi 16 sm bo'lsa, AC og'maning shu tekislikdagi proeksiyasi qanday bo'ladi (sm)?
A) 8 B) 6 C) 9 D) 10

18. To'g'ri parallelepiped asosining tomonlari 3 va 4, ular orasidagi burchak esa $120°$. Agar uning yon qirrasi $\sqrt{12}$ ga teng bo'lsa, parallelepipedning kichik diagonalini toping.
A) 6 B) 7 C) 5 D) 8

19. Kesik piramidaning ustki asosining yuzi ostkisining yuzidan uch marta kichik. Piramidaning hamma yon yoqlari pastki asos tekisligiga $60°$ burchak ostida og'gan. Ostki asosning yuzi uning yon sirtining necha foizini tashkil etadi?
A) 75 B) 60 C) 50 D) 40

20. Yuzi Q ga teng bo'lgan kvadratning biror tomoni atrofida aylanishidan hosil bo'lgan jismning sirti yuzini aniqlang.
A) $4\pi Q$ B) $8\pi Q$ C) $6\pi Q$ D) $4{,}5\pi Q$

21. $y = \log_{0,5}\log_2|x+1|$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty;-2) \cup (-2;-1) \cup (-1;0) \cup (0;\infty)$ B) $(-\infty;-2) \cup (0;\infty)$
C) $(-\infty;\infty)$ D) $(-\infty;-1) \cup (-1;\infty)$

22. $y = -3x^2 + bx + c$ parabolaning uchi $M(-4;\ 0)$ nuqtada joylashgan. $b+c$ ning yig'indisini toping.
A) -57 B) -72 C) -69 D) -48

23. $y = \sqrt{x^2+2x+3}$ funksiyaning qiymatlar sohasini ko'rsating.
A) $[0;\infty)$ B) $[\sqrt{3};\infty)$ C) $(0;\infty)$ D) $[\sqrt{2};\infty)$

24. t ning qanday qiymatlarida $y = x^2$, $y = 0$, $x = t$ nuqtalar bilan chegaralangan yuza $21\frac{1}{3}$ ga teng?
A) 5 B) 2 C) 6 D) 4

25. Hisoblang $\cos\left(arctg\sqrt{3} + \arccos\frac{\sqrt{3}}{2}\right)$.
A) 0 B) $\frac{1}{2}$ C) $\frac{\sqrt{3}}{2}$ D) 1

26. $tg\alpha + ctg\alpha = 4$ bo'lsa, $tg^3\alpha + ctg^3\alpha$ qanday bo'ladi?
A) 64 B) 52 C) 16 D) 128

27. $y = \frac{x+1}{2-3x}$ funksiyaga teskari funksiyani toping.
A) $y = \frac{2x+1}{3x+1}$ B) $y = \frac{2-3x}{1-x}$
C) $y = \frac{2-3x}{x-1}$ D) $y = \frac{2x-1}{3x+1}$

28. $A=\{x:|x-2|<3, x\in N\}$ to'plamning elementlar sonini toping.
A) 5 B) 4 C) 3 D) 6

29. Qutida "informatika" so'zini hosil qiladigan harflar bor. Tavakkal tanlanganda "f " harfining chiqish ehtimolligini toping.
A) 11 B) $\frac{2}{11}$ C) $\frac{1}{11}$ D) $\frac{1}{22}$

30. 5 ta juft raqamdan foydalanib nechta 5 xonali son hosil qilish mumkin?
A) 96 B) 720 C) 3500 D) 120

FIZIKA

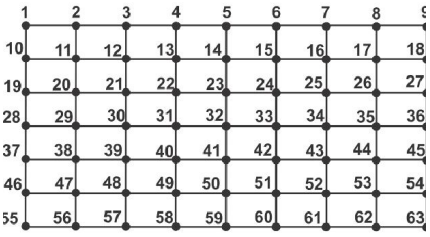
31. m massali jism suvda *v* tezlikda tekis cho'kadi. Agarda arximed kuchi hisobga olinmasa, jismni suvda 2*v* tezlikda tekis ko'tarish uchun qanday kuch kerak? Qarshilik koeffitsiyenti ikkala holda ham bir xil. Qarshilik kuchi tezlikka proporsional. g-erkin tushish tezlanishi.
A) *mg.* B) *4mg.* C) *2mg.* D) *3mg.*

32. Qiyalik burchagi 30^0 bo'lgan qiya tekislikda turgan 5 kg massali brusokka ta'sir qiluvchi ishqalanish kuchi bilan asosning to'liq ta'sir etuvchi kuchi orasidagi burchak kosinusi nimaga teng? $tg\alpha = \mu$.
A) *1.* B) *1/3.* C) *2/3.* D) *1/2.*

33. Agar blokning uchlariga 2 kg va 1 kg yuklar osib, blok o'qidan yuqoriga 120 N kuch bilan ko'tarilsa, iplarga osilgan yuklarning tezlanish modularini toping (m/s^2). g=10 N/kg.
A) *20; 50.* B) *30; 16.*
C) *14; 24.* D) *20; 10.*

34. Moddiy zarraning zaryadi +5*e*. Zarra fotoeffekt hodisasi tufayli ikki elektronni yo'qotsa, zaryadi qanday bo'ladi? *e*-elementar zaryad.
A) *7e.* B) *3e.* C) *8e.* D) *10e.*

35. Rasmdagi kvadratlarning tomoni 1 m ga teng. 1- va 4-nuqtalarda mos ravishda 0,2 mC va 0,4 mC zaryadlar joylashgan bo'lsa, ular orasidagi ta'sirlashish kuchi nimaga teng (N)?



A) 30. B) 20. C) 80. D) 14.

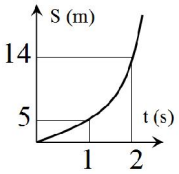
36. Zarraning harakati jadval ko'rinishida berilgan. Tezlik va tezlanish ta'rifi ko'ra zarraning o'rtacha tezlanishini toping (cm/s^2).

t (s)	10	11	12
x (m)	1,6	1	-1

A) *280.* B) *-140.* C) *-280.* D) *140.*

37. Jism to'g'ri chiziq bo'ylab 6 km masofani 24 km/h tezlik bilan bosib o'tdi. So'ngra harakat yo'nalishiga tik ravishda 32 km/h tezlik bilan harakatlandi. Butun yo'ldagi o'rtacha tezligi 28 km/h ga teng bo'lsa, uning ko'chishini toping (km).
A) *15.* B) *10.* C) *20.* D) *5.*

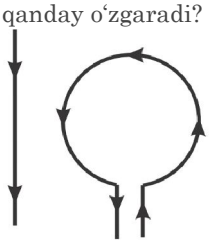
38. Jism bosib o'tgan yo'lining vaqtga bog'lanish grafigi paraboladan iborat. Jismning 3 s dagi ko'chishini toping (m).



A) *27.* B) *30.* C) *28.* D) *25.*

39. Absolut qora jismning nur yutish qobiliyati nechaga teng?
A) *1.* B) *0,2.* C) *0,5.* D) *2.*

40. O'tkazgichdan yasalgan halqadan tok o'tmoqda. Agar unga rasmda ko'rsatilgandek tok o'tayotgan to'g'ri o'tkazgich yaqinlashtirilsa, halqa markazidagi magnit induksiyasi qanday o'zgaradi?

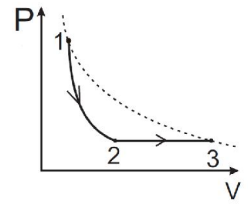


A) *avval ortib, keyin kamayadi.* B) *kamayadi.*
C) *o'zgarmaydi.* D) *ortadi.*

41. Quyidagi tasdiqlardan to'g'rilarini aniqlang.
1) to'yinmagan bug' o'zgarmas haroratda siqilsa uning konsentratsiyasi ortadi;
2) to'yinmagan bug' o'zgarmas haroratda siqilsa uning zichligi ortadi;
3) to'yinmagan bug' o'zgarmas haroratda siqilsa uning zichligi kamayadi;
4) to'yinmagan bug' o'zgarmas haroratda siqilsa uning konsentratsiyasi kamayadi;
5) to'yinmagan bug'ning bosimi o'zgarmas haroratda uning konsentratsiyasiga bog'liq.
A) *1, 2, 5.* B) *1, 2, 3.*
C) *3, 4, 5.* D) *2, 4, 5.*

42. Normal sharoitda ftor gazining (38 g/mol) zichligi g/m^3 qanday? $V_{n.sh}$=22,4 litr/mol.
A) *1700.* B) *1800.* C) *1750.* D) *1670.*

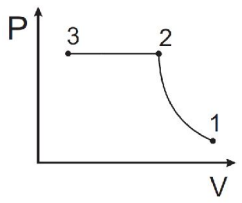
43. Bir atomli gaz dastlab adiabatik, so'ngra izobarik kengaydi. Ideal gazning boshlang'ich temperaturasi oxirgi temperaturasiga teng. Gaz to'liq kengayishda 21 kJ ish bajargan. Izobarik kengayishda gaz qancha issiqlik olgan (kJ)?



A) *21.* B) *14.* C) *12,6.* D) *16.*

44. Ikki mol kislorod (O_2) gazi isitkichdan Q_1 issiqlik olib, izobarik kengaymoqda, so'ngra sovutkichga Q_2 issiqlik berib, izoxorik ravishda dastlabki temperaturagacha sovutilmoqda. Q_1 / Q_2 nisbat topilsin.
A) *1,67.* B) *1,4.* C) *1.* D) *0,66.*

45. Bir atomli ideal gaz dastlab adiabatik so'ngra izobarik siqildi. Gazning boshlang'ich temperaturasi bilan oxirgi temperaturasi teng (rasmga qarang). Gazning to'liq siqilishda 1000 J ish bajarilsa, adiabatik siqishda gaz molekulalari qancha ish bajaradi?

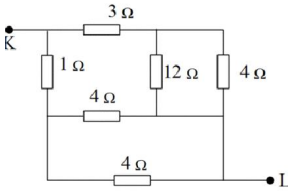


A) *1000.* B) *600.* C) *300.* D) *-600.*

46. Qanday rangdagi ko‘zga ko‘rinuvchi nurlarning muhitdagi tezligi eng kichik bo‘ladi?
A) *ko‘k.* B) *yashil.*
C) *qizil.* D) *binafsha.*

47. Tabiiy yorug‘lik nuri ketma-ket ravishda bosh tekisliklari orasidagi burchak 60^0 bo‘lgan polyarizator va analizatordan o‘tadi. Analizatordan boshlang‘ich yorug‘lik oqimining qancha qismi chiqadi?
A) *1/4.* B) *1/2.* C) *1/8.* D) *1.*

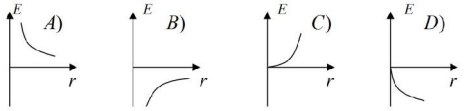
48. Keltirilgan elektr zanjirdan foydalanib, K va L nuqtalar orasidagi umumiy qarshilik necha om bo‘lishini aniqlang.



A) *3.* B) *2.* C) *4.* D) *6.*

49. Quyidagi formulalardan qaysi biri o‘tkazgichdan o‘tayotgan doimiy tok kuchini ifodalaydi?
A) *nev.* B) *neS.* C) *nevS.* D) *evS.*

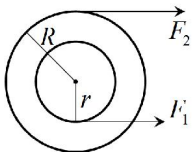
50. Yer atrofida harakatlanayotgan kosmik kemaning kinetik energiyasini yerdan uzoqligiga bog‘liq grafigini ko‘rsating.



A) D B) B C) C D) A

51. m massali sharcha ϑ tezlikda tinch turgan massiv devorga elastik urilib qaytsa, sharchaning ichki energiyasi qanday o‘zgaradi?
A) *o‘zgarmaydi.* B) *2 marta ortadi.*
C) *kamayadi.* D) *ortadi.*

52. Radiuslari R=5r bo‘lgan ikkita maxovik rasmda ko‘rsatilgandek bir-biriga kavsharlangan. Ushbu sistema muvozanatda qolishi uchun F_1 kuch qanday bo‘lishi kerak (N)? F_2=45 N.



A) *110.* B) *120.* C) *225.* D) *115.*

53. Amplitudasi 2,2 cm bo‘lgan prujinali mayatnikda yuk muvozanat vaziyatidan boshlab siljishi uchinchi marta 1,2 cm ga teng bo‘lgan vaqt ichida qanday yo‘lni (cm) bosib o‘tadi?
A) *5,6.* B) *8,8.* C) *10.* D) *7,6.*

54. Dastlab cho‘zilmagan, bikrligi k=30 N/m bo‘lgan prujinaga m=420 g yuk osib qo‘yib yuborilganda A amplitudali garmonik tebranishlar yuzaga keldi. Yukning muvozanat vaziyatidan cho‘zilishi x qanday bo‘lganda tezlanishini 5,6 m/s^2 ni tashkil etadi?
A) *0,5A.* B) *0,22A.* C) *0,56A.* D) *0,78A.*

55. Kondensatorning sig‘imi 125 μF va g‘altagining induktivligi 20 H bo‘lgan tebranish konturidagi magnit maydon energiyasi o‘zgarish davrini aniqlang (ms). $\pi = 3$.
A) *300.* B) *90.* C) *150.* D) *600.*

56. Toza metall o‘tkazgichning qarshiligi 27 ^{0}C temperaturada 10 Ω ga teng. 150 ^{0}C temperaturada uning qarshiligi (Ω) qanday bo‘ladi? Qarshilik qiymati absolut temperaturaga to‘g‘ri proporsional va R(0)=0.
A) *15,2.* B) *18,4.* C) *14,9.* D) *14,1.*

57. Vodorod atomidagi elektron birinchi energetik sathdan uchinchi energetik sathga o‘tishi uchun qancha energiya yutishi kerak (eV)? E_1=-13,6 eV.
A) *0,85.* B) *10,2.* C) *12,1.* D) *3,4.*

58. *Nd* yadrosidan neytron uchib chiqsa, u o‘z .... ga aylanadi.
A) *izotopi.* B) *izotoni.*
C) *izomeri.* D) *izobari.*

59. Neytrino antineytrinodan nimasi bilan farq qiladi?
A) *massasi.* B) *spini.*
C) *zaryadi.* D) *shakli.*

60. Antizarrasi yo‘q bo‘lgan zarralarni ko‘rsating.
A) *myuon,* π^0 *-mezon,* K_1^0 *-mezon,* K_2^0 *-mezon.*
B) γ *-foton,* π^0 *-mezon,* K_1^0 *-mezon, elektron.*
C) γ *-foton,* π^0 *-mezon,* K_1^0 *-mezon,* K_2^0 *-mezon.*
D) γ *-foton,* K_1^0 *-mezon,* K_2^0 *-mezon.*

INGLIZ TILI

61. **Choose the answer which correctly completes the sentence.**
They found the painting in some antique shop or … .
A) another B) others
C) other D) the other

62. I was hoping to deal with this matter quickly. … it’s more difficult than I thought.
A) no matter, B) no matter
C) however D) however,

63. **Choose the answer which correctly completes the sentence.**
There is a good film on at … Odeon. Shall we go?
A) a B) an C) some D) the

64. **Choose the answer which correctly completes the sentence**.
It is now easy to order goods on the internet. But the means of delivering these goods … to be improved.
A) having B) must C) have D) should

65. **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) one/both B) any/every
C) either/all D) both/either

66. **Choose the answer which correctly completes the sentence.**
If Delia ever wants to get out of debt, she ... have to cut down on a lot of luxuries.
A) won't B) will C) – D) would

67. **Choose the correct answer.**

Could you give me … idea of when the building work will finish?
A) any B) some C) many D) a few

68. **Choose the answer which correctly completes the sentence.**
She explained the task very carefully to the students ... they knew exactly what they had to do.
A) as B) despite C) because D) so that

69. **Choose the answer which correctly completes the sentence.**
A kangaroo has such strong legs that it can jump over a car, ...?
A) can't it B) hasn't it
C) doesn't it D) will it

70. Choose the answer which correctly completes the sentence.
"What time shall I leave to get to the station on time?'"
She asked me what time ... leave to get to the station on time.
A) will she B) she will
C) she should D) should she

71. **Choose the answer which correctly completes the sentence.**
Everyone promised they would come, but in the end only Ted & Jack …….
A) showed up B) are showing up
C) has shown up D) have shown up

72. More than 80 people came to the exhibition, many of … children had pictures on the walls.
A) whose B) who C) which D) whom

73. **Choose the answer which correctly completes the sentence.**
I live in the house ... has a blue front door.
A) which B) what C) where D) when

74. **Choose the answer which correctly completes the sentence**.
We always have the car … by the children who live next door.
A) clean B) to clean
C) cleaned D) cleaning

75. **Choose the answer which correctly completes the sentence.**
You couldn't hear her ... over the tumult from the screaming fans.
A) speak B) spoke
C) had spoken D) to speak

76. **Choose the answer which correctly completes the sentence**
When Tom's aunt sent him off to school. He sometimes would go to part of the way and then turn … and go to the river to swim
A) side B) aside C) inside D) outside

77. Choose the answer which correctly completes the sentence
My mother introduced me … classical music when I was quite young
A) for B) about C) in D) to

78. **Choose the answer which correctly completes the sentence.**
The 35th US President, J. F. Kennedy, ... by a lone gunman while
taking part in a procession in November, 1963.
A) had shot B) was shot
C) has been shot D) shot

Read and then choose the correct answer to questions 79-81.

There is an ancient belief that when a female wolf looses a young
cub, she seeks a human child to take its place. Romulus and Remus, the legendary twin founders of Rome, were supposed to have been cared for by wolves. The idea actually became believable in the late 19th century when a French doctor found a naked ten-year-old boy wandering in the woods. He did not walk upright, could not speak intelligibly, nor relate to people: he only growled like a wolf and stared at them. Finally the doctor won the boy's confidence and began to work with him. After many long years of devoted and patient instruction, the doctor was able to get the boy to clothe and feed himself, recognise and say a number of words, and even to write a little.

79. **It is implied in the passage that** ....
A) Romulus and Remus were the actual founders of Rome
B) the legend of Romulus and Remus is certainly based on reality
C) the boy found in the woods was like a wolf in appearance but not
in emotions
D) people have believed for a long time that female wolves sometimes adopt human children

80. **The doctor who found the boy must have concluded that** ....
A) Romulus and Remus were the twins who founded Rome
B) the boy had possibly been raised by wolves
C) the boy could not speak because he was of sub-normal intelligence
D) it's not possible to train a human child who grew up in the wild

81. **Many years after the doctor began working with the boy,** ....
A) he became more like a human child, but couldn't function
completely normally
B) he behaved exactly like Romulus and Remus in the legend
C) he soon started to behave as a normal human child does
D) he began writing a book about his experiences living with wolves

Read and choose the correct answer to questions 82-84.

It is ironic that the name of such a corrupt and immoral politician as John Montagu, the fourth Earl of Sandwich, has come down to us, while the names of some of his more honest colleagues are forgotten. He held several important positions in the 18th century, most notoriously as First Lord of the Admiralty. He is thought to have stolen from the Admiralty budget , and to have purchased inferior equipment for the navy at a profit to himself, causing the British Navy serious problems at sea. But of course what he is most remembered for is the invention of the 'sandwich'. A confirmed gambler, he is thought to have asked for slices of meat to be put between two pieces of bread and brought to him at the gaming table, so that eating would not cause him to waste any gambling time.

82. According to the passage, **the sandwich** ... .
A) is a special way of gambling invented by John Montagu
B) was invented by John Montagu as a way to be able to eat while
gambling
C) was John Montagu's favourite meat dish he ate with his
gambling colleagues
D) was invented In England, but is now most popular in the United
States

83. **Some of the British Navy's problems in the 18th century**

resulted from ... .
A) the gambling habit of the fourth Earl of Sandwich
B) the corruption and immorality of the manufacturers
C) the dismissal of the honest admirals of the time from the navy
D) the bad equipment John Montagu bought for the navy

84. **The author finds it ironic that John Montagu, an immoral person, ...**
A) was held responsible for the increase in gambling in the country
B) is still remembered today, but some of his more honest contemporaries aren't
C) was awarded by the British Navy for his admirable work
D) was able to hold such important positions in the navy

Read and then choose the correct answer to question 85-87.

Of the six outer planets, Mars, commonly called the Red Planet, is the closest to Earth. Mars, 4.200 miles in diameter and 55% of the size of Earth, is 34,600,000 miles from Earth, and 141,000,000 miles from the Sun. It takes this planet, along with its two moons, Phobos and Deamos, 1,88 years to circle the Sun, compared to 365 days for the Earth. For many years. Mars had been thought of as the planet with the man-made canals, supposedly discovered by an Italian
astronomer, Schiaparelli, in 1877. With the United States spacecraft Viking I's landing on Mars in 1976, the man-made canal theory was proven to be only a myth. Viking I, after landing on the soil of Mars, performed many scientific experiments and took numerous pictures. The pictures showed that the red color of the planet is due to the reddish, rocky Martian soil. No biological life was found, though it had been speculated by many scientists. The Viking also monitored many weather changes including violent dust storms. Some water vapor, polar ice and permafrost (frost below the surface) were found, indicating that at one time there were significant quantities of water on this distant planet Evidence collected by the spacecraft shows some present volcanic action, though the volcanoes are believed to be dormant if not extinct.

85. **Which of the following is not true?**
A) Mars is larger than Earth
B) It takes longer for Mars to circle the Sun than it takes Earth
C) Martian soil is rocky
D) Mars has two moons

86. **Man-made canals were supposedly discovered by** ...
A) Schiaparelli B) Viking I
C) Phobos D) Martian

87. **Mars has been nicknamed as** ... .
A) Deamos B) Viking I
C) Martian D) The Red Planet

Read the text. Then choose the correct answer to questions 88-90.

There is natural healing power in honey of great benefit to man.
It is extraordinary that the curative properties of honey are documented in the world's oldest medical literature.
The Sumerians, and Egyptian physicians around 2000 BC, used honey to treat internal and external wounds, ulcers, diseases of the eyes, lungs, skin, and, in particular, diseases of the stomach and intestines. The Chinese, the Indians, the Greeks and the Romans also recorded similar practices in their traditions. Honey was also highly regarded as a tonic to preserve youth and prolong healthy life. One Chinese Emperor used it as a drug to obtain immortality.

88. It is stated in the passage that honey ... .
A) is known to contain not less than 181 different compounds
B) has been used as medicine for plenty of diseases by various nations throughout the history
C) has proteins, vitamins and hormones
D) has antibacterial activity

89. An Emperor of Chinese Empire utilized honey ... .
A) to figure out the compounds within honey
B) to find the cure to mortality
C) to acquire the secret reason why people have to die
D) because he didn't want to die at his young age

90. One can easily understand from the passage that ... .
A) the benefits of honey vary
B) a number of scientists have tried in vain to discover the identity of honey
C) the undiluted honey clearly exhibits antibacterial activity
D) the antibacterial activity of honey is owed not to a single factor but to a complex "system" of
factors