



O‘ZBEKISTON RESPUBLIKASI VAZIRLAR MAHKAMASI  
DAVLAT TEST MARKAZI

REPITISION TEST TOPSHIRUVCHILAR UCHUN

## SAVOLLAR KITOBI

ABITURIYENT: \_\_\_\_\_ F.I.O. \_\_\_\_\_ Imzo \_\_\_\_\_

### ABITURIYENT DIQQATIGA!

Test topshiriqlarini yechishdan avval savollar kitobini varaqlab, unda har bir fan bo‘yicha 36 ta savol mavjudligini tekshiring. Agar savollar soni kamligi aniqlansa yoki savollar kitobi raqami bilan javoblar varag‘i raqami bir xil bo‘lmasa, darhol auditoriya rahbariga ma‘lum qiling.

Savollar kitobida abituriyentning familiyasi, ismi, otasining ismi xato to‘ldirilgan yoki to‘ldirilmagan va imzosi qo‘yilmagan hollarda e‘tirozlar ko‘rib chiqilmaydi.

Kitob tipi: **48 (636624)**

### FANLAR:

*Blok 1: Matematika (informatika bilan)*

*Blok 2: Fizika*

*Blok 3: Ingliz tili*

Savollar kitobi raqami: **1912861**

Toshkent – 2015



### MATEMATIKA (INFORMATIKA BILAN)

- 3 soni bilan noma'lum son orasiga shunday son qo'yilganki, bu uchta son arifmetik progressiya tashkil etadi. Agar ikkinchi son 6 ga kamaytirilsa, musbat hadli geometrik progressiya hosil bo'ladi. Arifmetik progressiyaning ikkinchi hadini toping.  
A) 12 B) 15 C) 27 D) 14
- $\sqrt{x+x\sqrt{x}} - \sqrt{x(1+x)} = \sqrt{1+x} - \sqrt{1+\sqrt{x}}$  tenglamaning haqiqiy ildizlari yig'indisini toping.  
A) 3 B) 1 C) 2 D) 0
- $\frac{58,4 \cdot 31,2 - 27,2}{31,2 + 58,4 \cdot 30,2}$  ni hisoblang.  
A) 1 B)  $\frac{1}{2}$  C)  $\frac{1}{4}$  D) 2
- $1 - 2x - x^2 = 2^{x+1} + 2^{1-x}$  tenglamani yeching.  
A) 3 B) 1 C)  $\sqrt{2} - 1$  D)  $\emptyset$
- Agar  $1 + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{10} = S$  bo'lsa,  $S$  qaysi oraliqqa tegishli?  
A)  $(\frac{23}{10}; \frac{25}{6})$  B)  $(\frac{15}{11}; \frac{23}{11})$  C) (6; 7) D)  $(\frac{35}{6}; \frac{47}{6})$
- $A(4; 6)$ ,  $B(2; 1)$ ,  $C(6; 1)$  nuqtalarni tutashtirishdan hosil bo'ladigan uchburchak yuzini toping.  
A) 15 B) 8 C) 10 D) 20
- Rombning diagonallari 6 va 4 ga teng bo'lsa, uning yuzini toping.  
A) 24 B) 12 C) 16 D) 10
- Agar  $xy + yz + zx = 16$  bo'lsa,  $x^2 + y^2 + z^2$  ning eng kichik qiymatini toping.  
A) 18 B) 32 C) 24 D) 16
- To'g'ri burchakli uchburchakning katetlari o'zaro 3:4 nisbatda, gipotenuzasi 15 sm teng. Shu uchburchakning kichik katetini (sm) toping.  
A) 20 B) 10 C) 9 D) 15
- $f(x) = x^8 - \cos 3x$  hosilani hisoblang.  
A)  $8x^7 + 3\sin 3x$  B)  $\frac{x^9}{9} - 3\sin 3x - C$  C)  $8x^7 - \frac{1}{3}\sin 3x$   
D)  $8x^7 - 3\sin 3x$
- $x^2 + x - 2 = \frac{x^2 + x - 2}{x^2 - 1}$  tenglamaning ildizlari ko'paytmasini toping.  
A) 6 B) -2 C) -4 D) 4
- $y = e^{(2x-3x^2)} \cdot \log_5(3x^2 - 2x)$  funksiya hosilasining  $x = 1$  dagi qiymatini toping.  
A)  $4(e \cdot \ln 5)^{-1}$  B)  $4(e^2 \cdot \ln^2 5)^{-1}$  C)  $4(e^2 \cdot \ln 5)^{-1}$   
D)  $4(e \cdot \ln^2 5)^{-1}$
- $ABC$  uchburchakda  $\angle ABC = 30^\circ$  va  $\angle BAC = 15^\circ$ .  $C$  nuqtadan  $AC$  ga o'tkazilgan perpendikulyar  $AB$  ni  $N$  nuqtada kesadi. Agar  $AN=24$  bo'lsa,  $BC$  ni toping.  
A) 10 B) 12 C) 8 D) 24
- $f(x-3) = \frac{2x-1}{x+1}$  bo'lsa,  $f(f(3))$  ni hisoblang.  
A)  $\frac{13}{15}$  B)  $\frac{19}{13}$  C)  $\frac{13}{17}$  D)  $\frac{17}{13}$
- Radiuslari  $r=1$  sm va  $R=3$  sm bo'lgan aylana tashqi ravishda urinadi. Aylana urinish nuqtasidan ularning umumiy urinmalarigacha bo'lgan masofani (sm) toping.  
A)  $5/6$  B)  $4/5$  C)  $2/3$  D)  $3/2$
- Teng yonli trapetsiyaning diagonallari o'zaro perpendikulyar hamda yuzi 32 ga teng bo'lsa, uning diagonali uzunligini toping.  
A) 4 B) 8 C) 6 D)  $4\sqrt{2}$
- $y = \sin 2x \cos 4x \cos 2x$  funksiyaning eng kichik musbat davrini toping.  
A)  $\frac{\pi}{2}$  B)  $\frac{\pi}{8}$  C)  $\frac{\pi}{4}$  D)  $2\pi$
- Ikkita shar berilgan bo'lib, ularning radiuslari 3 dm va 25 sm. Sharlar kesishish chizig'ining uzunligi  $48\pi$  sm bo'lsa, ularning markazlari orasidagi masofani (sm) toping.  
A) 11 yoki 25 B) 18 yoki 24 C) 11 yoki 24  
D) 12 yoki 20
- 9 ga bo'lganda qoldiq 7 ga, 8 ga bo'lganda esa qoldiq 3 ga teng bo'ladigan hamda ikkinchi bo'linma birinchi bo'linmadan 1 ga ortiq bo'ladigan natural sonni toping.  
A) 75 B) 61 C) 91 D) 43
- 5927031, 4587, 3069 sonlarining umumiy bo'luvchilari yig'indisini toping.  
A) 148 B) 48 C) 56 D) 156
- $\sqrt{\frac{\sin^2 x - 1}{\cos^2 x + 1}} \leq \cos x$  tengsizlikni yeching.  
A)  $\frac{\pi}{2} + \pi n, n \in Z$  B)  $\pi n, n \in Z$  C)  $\emptyset$   
D)  $\frac{\pi}{2} + 2\pi n, n \in Z$
- $\sqrt{1 - \cos x} = \sin x$  ( $x \in [\pi; 3\pi]$ ) tenglamaning ildizlari yig'indisini toping.  
A)  $2\pi$  B)  $3\pi$  C)  $4,5\pi$  D)  $4\pi$
- $\left( \frac{2\log_6 2 + \log_6 27}{\log_6 \sqrt[3]{0,25} + \log_6 \frac{1}{3}} \right)^2$  ni hisoblang.  
A)  $9\log_6 27$  B) 18 C) 27 D) 9
- Uchburchakning ikkita tomoni 24 va 11 ga, ular orasidagi burchagi  $120^\circ$  ga teng. Shu uchburchakka tashqi chizilgan aylananing radiusini toping.  
A)  $\frac{31}{\sqrt{3}}$  B)  $\frac{40}{\sqrt{3}}$  C)  $3\sqrt{2}$  D)  $\frac{20}{\sqrt{3}}$
- $\int_0^{2\pi} \sin^4 7x dx$  ni hisoblang.  
A)  $\frac{7\pi}{4}$  B)  $\frac{6\pi}{7}$  C)  $\frac{3\pi}{4}$  D)  $\frac{7\pi}{8}$
- $\begin{cases} x^2 + y^2 = 2(xy + 2) \\ x + y = 6 \end{cases}$  tenglamalar sistemasidan  $|x - y|$  ni toping.  
A) 0 B) 1 C) 2 D) 3
- $x\sqrt{3 - 2x - x^2} \geq 0$  tengsizlikni eching.  
A)  $[0; \infty)$  B)  $\{-3\} \cup [0; 1]$  C)  $[1; \infty)$  D)  $[0; 1]$
- Radiusi  $R$  ga teng bo'lgan aylana tashqi chizilgan muntazam  $n$ -burchakning tomoni  $b$  ga teng bo'lsa, shu aylana ichki chizilgan muntazam  $n$ -burchakning tomonini toping.  
A)  $\frac{2bR}{\sqrt{4R^2 - b^2}}$  B)  $\frac{2bR}{\sqrt{4R^2 + b^2}}$  C)  $\sqrt{R^2 + \frac{b^2}{4}}$   
D)  $\sqrt{R^2 - \frac{b^2}{4}}$

29.  $\frac{a+b}{\sqrt{a}+\sqrt{b}} : \left( \frac{a+b}{\sqrt{ab}} - \frac{b}{\sqrt{ab}-a} - \frac{a}{\sqrt{ab}+b} \right)$  ifodani soddalashtiring. ( $a > 0, b > 0$ )  
A)  $a-b$  B)  $\sqrt{a}-\sqrt{b}$  C) 1 D) 0
30.  $3 \cdot 13 \cdot 31^2 \cdot 33 \cdot 37^2$  ko'paytmaning natural bo'luvchilari sonini toping.  
A) 108 B) 216 C) 106 D) 54
31. Bir petabayt necha gigabaytga teng?  
A)  $2^{20}$  gigabayt B)  $2^{10}$  gigabayt C)  $2^{25}$  gigabayt D)  $2^{30}$  gigabayt
32. Ikkilik sanoq sistemasida amallarni bajaring:  
 $101010 + 1 \cdot 2^6 + 1 \cdot 2^3 + 1 \cdot 2^2 + 1 \cdot 2^0 - 101$   
A) 110010 B) 1110110 C) 1110010 D) 111000
33. Windows operatsion tizim (sistema)da papka va hujjatlarni vertikal ustun shaklida tartiblash va ularni kichik ikonkalar tarzida ko'rsatish usuli qaysi javobda to'g'ri ko'rsatilgan?  
A) Список B) Плитка C) Таблица D) Значок
34. Amaliy dasturlar ta'minotiga kiruvchi dasturlar qaysi javobda to'g'ri ko'rsatilgan?  
A) Pascal, Basic, Delphi, C++, MS DOS  
B) grafik muharrirlari, ofis dasturlari, global tarmoq, matn muharrirlari  
C) matn muharrirlari, nashriyot tizimlari, jadval protsessoralari, ma'lumotlar omborini boshqarish tizimlari, grafik muharrirlari  
D) ma'lumotlar omborini boshqarish tizimlari, operatsion tizimlar, ma'lumotlar ombori, dasturiy ta'minot
35. Faqat brauzerlar berilgan qatorni ko'rsating  
A) AutoCAD, Internet Explorer  
B) Netscape Navigator, Internet Explorer  
C) MySQL, Internet Explorer D) Mozilla, MySQL
36. Paskal tilida quyidagi dastur bajarilishi natijasida ekranga chiqariladigan axborotlarni aniqlang:  
Label a;  
Var k,b,c:string[6];  
Begin K:='20'; B:='14'; goto a; C:='01.08.';write(C:2); a:  
write(K:1,B:2); end.  
A) 01.08.2014 B) 214 C) 2014 D) 01.08
- FIZIKA**
37. Bir atomli ideal gaz temperaturasi 10 K oshirilganda uning molekularlari o'rtacha kvadratik tezligi 100 m/s dan 150 m/s ga yetgan. Molekulalar tezligi 200 m/s dan 250 m/s gacha ortganda temperatura qanchaga ortadi?  
A) 18.5 B) 18 C) 18.7 D) 18.9
38. Massasi 0,02 kg, tezligi 900 m/s bo'lgan o'q qumli qutiga kirib to'xtab qoldi. Qutiga birlashtirilgan bikirligi  $2 \cdot 10^6$  N/m bo'lgan prujina qancha siqiladi (mm)? Qumli qutining massasi 1 kg.  
A) 10,6 B) 14,6 C) 12,7 D) 11,6
39. 20 g geliyning temperaturasi  $200^\circ\text{C}$  ga ortganda ichki energiyasi (kJ) qanchaga o'zgaradi?  
A) 10 B) 20 C) 12 D) 12,5
40. Hajmi 10 l, temperaturasi  $50^\circ\text{C}$  bo'lgan gazni bosimni o'zgartirmagan holda  $0^\circ\text{C}$  gacha sovitilganda u qanday hajmni (l) egallaydi?  
A) 8,45 B) 8,00 C) 5 D) 10
41. Qizil yorug'lik nuri ( $\lambda=0,7 \mu\text{m}$ ) uchun foton energiyasini (J) hisoblang.  
A)  $2,83 \cdot 10^{-18}$  B)  $28,3 \cdot 10^{-20}$  C)  $2,83 \cdot 10^{-19}$  D)  $28,3 \cdot 10^{-19}$
42. To'lqin uzunligi 90 sm bo'lgan to'lqinning bir-biridan 15 sm masofada joylashgan ikkita nuqtasi orasidagi fazalar farqi ko'pi bilan qancha?  
A)  $\pi/3$  B)  $\pi/6$  C)  $\pi$  D)  $2\pi$
43. Elektr lampochka yongandan keyin undagi gazning harorati  $27^\circ\text{C}$  dan  $527^\circ\text{C}$  gacha ko'tarilgan bo'lsa, bosim necha marta o'zgaragan?  
A) 2,6 marta kamaygan B) 3,5 marta ortgan  
C) 4,4 marta kamaygan D) 2,7 marta ortgan
44. Bir kondensator sig'imi C, energiyasi W, ikkinchisidiki 2C va 3W. Agar kondensatorlar qutblari mos holda ulansa, natijaviy kuchlanish nimaga teng?  
A)  $\frac{1}{3} \sqrt{\frac{12W}{C}}$   
B)  $\frac{1}{3} \sqrt{\frac{2W}{C}}$   
C)  $\frac{1}{3} \sqrt{\frac{W}{C}(\sqrt{2}-\sqrt{12})}$   
D)  $\frac{1}{3} \sqrt{\frac{W}{C}(\sqrt{2}+\sqrt{12})}$
45. Elektr qarshiligi  $270 \text{ m}\Omega$  ga teng bo'lgan 50 m uzunlikdagi alyuminiy simning massasini (g) aniqlang. Alyuminiyning zichligi  $2,7 \text{ g/cm}^3$ , solishtirma qarshiligi  $2,8 \cdot 10^{-6} \Omega \cdot \text{sm}$  ga teng.  
A) 560 B) 700 C) 820 D) 640
46. Elektrolitik yo'l bilan bir xil massali aluminiy va mis olishga sarf bo'ladigan elektr energiyasi sarflarini solishtiring. Vannada kuchlanish normaga ko'ra aluminiy olishda misni tozalashdagi kuchlanishdan o'n to'rt marta katta. Aluminiy va mis uchun mos ravishda  $k_{Al}=0,093 \text{ mg/C}$ ,  $k_{Cu}=0,33 \text{ mg/C}$ .  
A) aluminiy uchun 50 marta ortiq  
B) aluminiy uchun 5 marta kam  
C) aluminiy uchun 50 marta kam  
D) aluminiy uchun 88 marta ortiq
47. 12 ayl/min chastota bilan aylanayotgan gorizontaldiskda aylanish o'qidan 0,3 m masofada 0,25 kg massali shayba yotibdi. Shayba bilan disk orasidagi ishqalanish koeffitsiyenti 0,25 ga teng. Shaybaga ta'sir etuvchi ishqalanish kuchini toping (N).  
A) 0,05 B) 0,24 C) 0,62 D) 0,12
48. 15 va 10 kg li yuklar vaznsiz qo'zg'almas blokning ikki tarafiga o'zaro ip bilan bog'lab osilgan. Iping taranglik kuchini (N) toping.  
A) 150 B) 120 C) 200 D) 100
49. Sig'imi 0,1 mF bo'lgan va 1200 V potentsiallar ayirmasigacha zaryadlangan kondensatorni zaryadsizlashda unga ulangan simdan qancha issiqlik miqdori ajraladi (J)?  
A) 84 B) 72 C) 45 D) 63
50. Dastlab tinch turgan 2 kg massali jism 3 N doimiy kuch ta'sirida tezlashmoqda. 1,5 minut vaqt davomida kuch bajargan ishni (kJ) hisoblang.  
A) 18.2 B) 43.2 C) 38.3 D) 27.6
51. Elektr lampochkasi tolasining qarshiligi 293 K temperaturada  $13 \Omega$ , cho'g'langan holda esa  $144 \Omega$ . Tola qarshiligining temperatura koeffitsiyenti  $0,005 \text{ K}^{-1}$ . Tola necha  $^\circ\text{C}$  gacha qizdirilgan?  
A) 30000 B) 2237 C) 1700 D) 1500
52. Fokus masofasi 10 sm bo'lgan ikkiyoqlama botiq linzadan 15 sm uzoqlikda turgan jism tasvirining o'lchami 4 sm ga teng bo'ldi. Jismning haqiqiy o'lchamini (sm) toping.  
A) 2 B) 8 C) 10 D) 12

53. To'liq uzunligi 100 m bo'lgan elektromagnit to'liqda tovush tebranishlarining bir davri davomida necha marta tebranish ro'y beradi? Tovush tebranishlarining chastotasi 200 Hz.  
A)  $2 \cdot 10^3$  B)  $1,5 \cdot 10^3$  C)  $1,5 \cdot 10^4$  D)  $2 \cdot 10^4$
54. Jism diametri 10 m bo'lgan aylana trayektoriya bo'ylab o'zgarmas 20 m/s tezlik bilan harakatlanmoqda. Jismning o'tgan yo'li 314 m ga teng bo'lishi uchun u aylanani necha marta o'tishi kerak?  
A) 20 B) 15 C) 10 D) 5
55. Yorug'lik nuri havodan muhitga o'tganida qaytgan nur bilan singan nur orasidagi burchak  $90^\circ$  ga teng bo'ldi. Nurning tushish burchagi  $58^\circ$  ga teng. Ikkinchi muhitda yorug'lik nurining tarqalish tezligini toping (m/s).  $\text{tg}(58^\circ)=1,6$   
A)  $1,88 \cdot 10^8$  B)  $2,33 \cdot 10^8$  C)  $1,52 \cdot 10^8$  D)  $1,5 \cdot 10^8$
56. O'zgaruvchan tok manbaiga ulangan  $100 \Omega$  aktiv qarshilikka ega bo'lgan rezistorda tok kuchi  $i=0,141 \cdot \sin(100t)$  qonun bo'yicha o'zgaradi. Rezistorga tushayotgan kuchlanishning ta'sir etuvchi qiymatini (V) toping.  
A) 14,1 B) 50 C) 10 D) 25
57. 120 kPa bosim va 300 K temperaturada  $0,5 \text{ m}^3$  hajmda qancha gaz molekulari bo'ladi?  $k=1,38 \cdot 10^{-23} \text{ J/K}$   
A)  $1,45 \cdot 10^{25}$  B)  $1,45 \cdot 10^{22}$  C)  $1,45 \cdot 10^{23}$  D)  $1,32 \cdot 10^{25}$
58. Laboratoriya sanoq tizimida tezligi  $2,985 \cdot 10^8 \text{ m/s}$  bo'lgan pi-mezon paydo bo'lgandan parchalanguncha 75 m masofani uchib o'tadi. pi-mezonning hususiy yashash vaqtini (ns) aniqlang.  
A) 20 B) 15 C) 25 D) 30
59. Osh tuzi bug'ining yutilish spektri qanaqa ekanligini aniqlang.  
A) uzluksiz B) chiziqli C) yo'l-yo'l D) yutilish spektriga ega emas
60. Velosipedchi va yo'lovchi bir joydan bir-biriga tik ravishda 60 s harakat qilganda, ular orasidagi masofa 150 m bo'ldi. Agar velosipedchining tezligi yo'lovchikidan 3 marta katta bo'lsa, yo'lovchining tezligini toping (m/s).  
A)  $\frac{3\sqrt{10}}{2}$  B)  $\frac{\sqrt{10}}{3}$  C)  $\frac{\sqrt{10}}{2}$  D)  $\frac{\sqrt{10}}{4}$
61. Neon lampa ballonidagi neoning bosimi 5000 Pa, zichligi  $50 \text{ g/m}^3$  bo'lsa, uning haroratini (K) toping. Neoning molyar massasi 20 g/mol.  
A) 210 B) 220 C) 230 D) 240
62.  $M = 10 \text{ kg}$  massa va  $V=500 \text{ m/s}$  tezlikka ega bo'lgan snaryad portlab ikki bo'lakka bo'lindi,  $M/2$  massa va  $V$  tezlikka ega bo'lgan birinchi bo'lak dastlabki yo'nalishiga nisbatan  $\pi/2$  burchak ostida uchib ketdi. Ikkinchi bo'lakning impulsi snaryadning dastlabki impulsidan necha marta katta?  
A) 1.25 B) 7.22 C) 0.75 D) 1.12
63. Uchlaridagi kuchlanish 24 V, qarshiligi  $20 \Omega$  bo'lgan o'tkazgichdan 20 s vaqt ichida qancha zaryad (C) o'tadi?  
A) 24 B) 20 C) 40 D) 17
64. Uzunligi 60 m, eni 50 m bo'lgan to'g'ri to'rtburchak shaklidagi muz dengizda suzib yuribdi. Muzning suvdan chiqib turgan qismining balandligi 1 m bo'lsa, muzning hajmini ( $\text{m}^3$ ) baholang.  
A) 27000 B) 33000 C) 3000 D) 30000
65. Massasi 5 kg bo'lgan brusokka gorizontga nisbatan  $\alpha=\pi/6$  burchak ostida pastga yo'nalgan 10 N kuch ta'sir qilmoqda. Ishqalanish koeffitsiyenti qanchaga teng bo'lganida brusok tekis harakat qiladi?  
A) 0,16 B) 0,24 C) 0,07 D) 0,8
66. C sig'imli kondensator  $U$  kuchlanish bilan, 2C sig'imli kondensator  $3U$  kuchlanish bilan zaryadlangan. Bu kondensatorlar qutblarini teskari holda ulansa sistema elektr energiyasi qanchaga kamayadi?  
A)  $9CU^2/4$  B)  $16CU^2/3$  C)  $3CU^2/4$  D)  $4CU^2/3$
67. Ersted tajribada nimani aniqlangan?  
A) magnit maydon yo'malishini  
B) magnit maydon kattaligini  
C) tokli o'tkazgich magnit maydonining magnit strelkasiga ta'sirini  
D) parallel toklarning o'zaro ta'sirini
68. O'zgarmas tok manbaiga ulangan  $12 \mu\text{F}$  sig'imli kondensatorga parallel ulangan voltmetr 3 V kuchlanishni ko'rsatdi. Agar bu kondensatorga  $8 \mu\text{F}$  sig'imli ikkinchi kondensator parallel ulansa, voltmetr qanday kuchlanishni (V) ko'rsatadi?  
A) 1,5 B) 1 C) 3 D) 2
69. Arqon ko'pi bilan 12 kg massali yukni ko'tara oladi. Shu arqon yordamida qanday massali (kg) yukni  $5 \text{ m/s}^2$  tezlanish bilan ko'tarish mumkin bo'ladi?  $g=10 \text{ m/s}^2$ .  
A) 6 B) 15 C) 8 D) 12
70. Lazer nurining quvvatini 65% kamaytirish kerak. Buning uchun nur qutblanish tekisligi va analizator qutblanish tekisligi orasidagi burchak kosinusi qanday bo'lishi kerak?  
A) 0,81 B) 0,59 C) 0,22 D) 0,83
71. 2 kg va 1 kg massali silindrlar qo'zg'almas blok orqali vaznsiz ipga osilgan. Bunda birinchi silindrning 4% qismi suvga botganda muvozanat vujudga kelgan. Silindrlarning zichligini ( $\text{kg/m}^3$ ) aniqlang.  
A) 100 B) 80 C) 20 D) 40
72. Radiusi 0,05 m bo'lgan aylana shaklidagi yassi g'altak 40 ta o'ramga ega. G'altak orqali o'tayotgan tok kuchi 0,07 A ga teng bo'lsa, g'altakning magnit momenti necha  $\text{A} \cdot \text{sm}^2$  ga teng bo'ladi?  
A) 188,4 B) 140 C) 280 D) 220

### INGLIZ TILI

73. Choose the answer which correctly completes the sentence. His parents enjoy their jobs. They would rather ... than retire.  
A) work B) worked C) to work D) working
74. This is ... car of the three.  
A) more powerful B) the most powerful C) powerfulest D) most powerful
75. Choose the answer which correctly completes the sentence. There are some people, ... just cannot admit or even see that they may possible be at fault.  
A) who B) whose C) where D) whom
76. Choose the correct answer for the following question. You couldn't give him a book, ... you?  
A) couldn't B) could C) can D) can't
77. Choose the answer which correctly completes the sentence. Ballads were early types of poetry and may have ... among the first kinds of music.  
A) to be B) been C) be D) was
78. There are twenty species of wild roses in North America, ... have prickly stems, pinnate leaves, and large flowers, which usually smell sweet.  
A) what B) which C) where D) who

79. Choose the answer which correctly completes the sentence.  
Rosa is a very kind woman. She can't have hurt Peter. It ... be somebody else.  
A) *must* B) *is able to* C) *should* D) *have to*
80. Choose the answer which correctly completes the sentence.  
Snakes are not able to shut their eyes because they have ... eyelids. And although they rest, they do not actually go to sleep in the same way fish do.  
A) *any* B) *no* C) *a lot* D) *none*
81. Choose the answer which correctly completes the sentence.  
She said: "I think it is a stupid idea and I can't accept it".  
A) *She said that he thought it is a stupid idea and he couldn't accept it.*  
B) *She said that he thought it was a stupid idea and he could not accept it.*  
C) *She said that he thought it was a stupid idea and I cannot accept it.*  
D) *She said that he thinks it was a stupid idea and he cannot accept it.*
82. Now I ... the sauce to see if it needs any more salt.  
A) *tasted* B) *am tasting* C) *taste* D) *have tasted*
83. Choose the best answer.  
A few ... months will make no difference. As for the protection surrounding the boy, I believe my plan will be ...  
A) *more/ effective* B) *many/ effective*  
C) *less/ more effective* D) *more/ effectually*
84. Choose the best answer.  
George, help me to do the room, if you ... nothing at the being time.  
A) *will do* B) *aren't doing* C) *do* D) *are doing*
85. I remember how we used to have to clean the house thoroughly. This ceremony is called Osoji and my sister and I ... look forward to. It very much, since that was such a mess.  
A) *get used to* B) *would* C) *didn't use to* D) *have not*
86. My alarm went ... at 6 o'clock this morning.  
A) *down* B) *off* C) *back* D) *up*
87. Choose the answer which correctly completes the sentence.  
You've been having a nap, ... you? Sorry if I woke you up.  
A) *do* B) *haven't* C) *weren't* D) *did*
88. Choose the answer which correctly completes the sentence.  
Mountain ranges vary in age. The Alps are only fifteen million years old, but ... Highlands of Scotland are 400 million years old.  
A) *some* B) *the* C) *a* D) *-*
89. Choose the answer which correctly completes the sentence.  
I think, it's ... in Scotland. I'm not sure where he lives.  
A) *somewhat* B) *nowhere* C) *somewhere*  
D) *something*
90. Choose the answer which correctly completes the sentence.  
The farmer was really very upset and warned us to get ... his land.  
A) *off* B) *over* C) *of* D) *from*
91. Ancient nations ... the same symbols on their emblems and flag for thousands of years.  
A) *were used* B) *used to* C) *have used* D) *are used*
92. Choose the answer which correctly completes the sentence.  
I'm terribly sorry, but I ... into the back of your car.  
A) *have crashed* B) *had crashed* C) *crash*  
D) *was crashing*

93. Choose the answer which correctly completes the sentence.  
She enjoys cooking, but peeling onions makes her ... . Help her do it, please.  
A) *to cry* B) *cry* C) *cried* D) *crying*

94. Choose the best answer.  
I didn't know the answer. If I ... the answer, I ... you.  
A) *had known/ would have told* B) *would know/ told*  
C) *knew/ would tell* D) *know/ will tell*

95. Choose the answer which correctly completes the sentence.  
Most people found it difficult to make a ... as a musician and gained further skills.  
A) *living* B) *life* C) *live* D) *alive*

Read the text. Then choose the correct answer to question 24-26.

Palmistry is the practice of 'reading hands', of gaining knowledge about personality, past individual history, and likely future events by examining the shape and size of the fingers and, most important, the lines and bumps on the palms themselves. There is some evidence that palmistry may have begun in the Stone Age. Hand outlines can be seen in black and red pigments on the walls of the ancient caves of Almira in Spain and in other European caves. Palmistry as it exists today probably had its origins in ancient India long before recorded history and found its way into western Europe through nomadic bands of Gypsies, who made contact with Europe in the 15th century.

96. Of the following, the one not mentioned in the passage as a part of palmistry is ...  
A) *foretelling the future.*  
B) *changing the events of the future.*  
C) *exploring people's pasts.* D) *learning about character.*
97. It is stated in the passage that the most essential thing for a palm reader to do is ...  
A) *to learn about different personality types.*  
B) *to inspect the fingers carefully.*  
C) *to practise by 'reading' many palms.*  
D) *to look closely at the surface of the palm.*

98. The passage explains that it is most likely that palmistry as we know it began ...  
A) *in various parts of Europe.*  
B) *in India in ancient times.*  
C) *in caves of western Europe.* D) *in caves in Spain.*

Read the text. Then choose the correct answer for the gaps 27-28 in the text.

The term "organic" can only be used to describe food grown in situations (27)... no artificial chemicals have been used. Anyone using fertilizer (28)... chemicals to make tomatoes grow bigger, for example, is certainly not growing them organically.

99.  
A) *which* B) *where* C) *that* D) *how*

100.  
A) *contains* B) *to contain* C) *containing* D) *contain*

Read the text. Then choose the correct answer for the gaps 29-31 in the text.

Captain Cook, a British (29)..., was the first European to reach Australia's east coast. While his ship was lying off Australia, his sailors brought a strange animal (30)... board. Cook wanted to know the name of this unusual creature, so he sent his men ashore to ask the native inhabitants. When the natives were asked in impromptu sign language to name the animal, they said, "Kangaroo". Years later, the truth (31)... "Kangaroo" means "What did you say?" But today the animal is still called a kangaroo in English.

101. A) *navigation* B) *navigable* C) *navigator* D) *navigate*

102. A) *behind* B) *over* C) *on* D) *in*

103. A) *was discovered* B) *had discovered*  
C) *were discovered* D) *discovered*

Read the text. Then choose the correct answer to question 32-33.

Not since Americans crossed the continent in covered wagons have they exercised and dieted as strenuously as they are doing today. Consequently, they do not only look younger and slimmer, but feel better. Because of increased physical fitness, life expectancy in the nation has risen to seventy-three years, with fewer people suffering from heart disease, the nation's number one killer.

Jogging, the easiest and cheapest way of improving the body, keeps over 30 million people of all ages on the run. For the price of a good pair of running shoes, anyone anywhere can join the race.

Dieting, too, has become a national pastime. Promoters of fad diets that eliminate eating one thing or another, such as fats or carbohydrates, promise as much as 20-pound weight losses within two weeks. Books describing such miraculous diets consistently head up the best-seller lists because every corpulent person wants to lose weight quickly and easily.

Nevertheless, both jogging and dieting, carried to extremes, can be hazardous. Many confused joggers overdo and ultimately suffer from ankle and foot damage. Fad dieting, fortunately, becomes only a temporary means for shedding a few pounds while the body is deprived of the balanced nutrition it requires, so most dieters cannot persevere on fad.

Choose the alternative sentence that is closest in meaning to the given sentence.

104. Life expectancy in the nation has risen to seventy-three years.  
A) *The nation is 73 years old.*  
B) *Americans can expect to live about 73 years.*  
C) *Americans now live to be 73 years old.*  
D) *Hopefully, with exercise and improved diet, Americans may live to be 73 years old.*

105. Both jogging and dieting can be hazardous.  
A) *Dieting and jogging can damage your health.*  
B) *Jogging and dieting are less injurious.*  
C) *Both jogging and dieting can improve your health.*  
D) *People should not jog or diet.*

Read the text. Then choose the correct answer to question 34-36.

**Botulism** is a form of poisoning produced by a microorganism called *Clostridium botulinum*. The word botulism originated from the Latin word *botulus* for sausage, in which botulism was first identified. The spores created by *C. botulinum* are not harmful, as they grow in the soil and are consumed by us regularly when we eat vegetables and fruits. However, once the spores are put in airtight containers, the spores germinate and produce botulin, a deadly poison. Foods in cans and glass or plastic jars provide the environment botulin needs to grow. The spores are averse to low temperatures and will not develop in frozen food. Furthermore, they do not thrive in acidic, salty, sweet, or dry foods. How can consumers protect themselves against botulism? Any can that is swollen at the top may be so because of pressure from gases produced by germinating spores. When opened, if the food sprays out of the can, the contents should be thrown out immediately. You should not taste it, since the tiniest bit could kill you. "If in doubt, throw it out" is the slogan to follow.

106. The name of this form of food poisoning comes from ...  
A) *airtight food containers* B) *a warning slogan*  
C) *poisoned sausage* D) *germinating spores*

107. Botulism is a form of poisoning that ...  
A) *is often fatal* B) *is common* C) *is relatively harmless*  
D) *needs low temperatures to grow*

108. What should a consumer do with a can that has a raised top?  
A) *Put it in the garbage*  
B) *Feed it to the cat*  
C) *Open it and taste the ingredients*  
D) *Take it back to the store where it was purchased*