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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 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’tirozi ko‘rib chiqilmaydi.

Kitob tipi: 55 (636624)

FANLAR:

Blok 1: Matematika (informatika bilan)
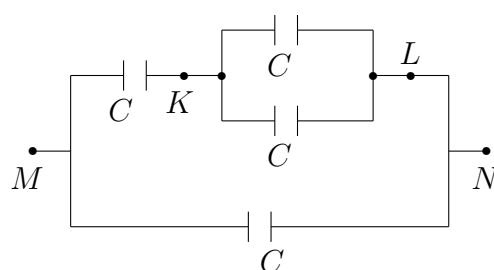*Blok 2: Fizika*
Blok 3: Ingliz tili

Savollar kitobi raqami: **1000083**

Toshkent − 2014

MATEMATIKA (INFORMATIKA BILAN)

1. $\dfrac{sin1° \cdot sin2° \cdot sin3° \cdot \ldots \cdot sin90°}{sin91° \cdot sin92° \cdot sin93° \cdot \ldots \cdot sin179°}$ ni hisoblang.

   A) *2*   B) $\dfrac{\sqrt{2}}{2}$ C) *1*   D) $\dfrac{\pi}{2}$

2. $\sqrt{x+1} + \sqrt{2x+3} = 5$, tenglamaning haqiqiy ildizlari yig'indisini toping.

   A) 143   B) 3   C) -6 D) -3

3. $x^3 - x + 3 = 0$ bo'lsa, $(x^3 - x + 1) \cdot (x^3 + 3)$ ning qiymatini toping.

   A) *-2x*   B) *-4x*   C) *0*   D) *2x*

4. m dan katta bo'lmagan juft natural sonlarning yig'indisi x, m dan katta bo'lmagan, lekin 10 dan katta bo'lgan juft sonlarning yig'indisi y hamda $x + y = 810$ bo'lsa, m ning barcha qiymatlari yig'indisini toping.

   A) *420*   B) *210*   C) *83*   D) *81*

5. $\int_{\frac{\pi}{4}}^{\pi} 8\cos^2 x \cdot \sin 2x\, dx$ integralni hisoblang.

   A) *2*   B) *1*   C) *3*   D) *-3*

6. $\dfrac{bc - a^2}{ab} - \dfrac{b^2 - ac}{bc} + \dfrac{ab - c^2}{ac}$ ifodani kasrga aylantiring.

   A) $\dfrac{a^2 - b^2 - c^2}{abc}$ B) *abc*   C) *-1*   D) *0*

7. $y = x + 3$, $x + 2y = 6$ va $y = 0$ to'g'ri chiziqlar bilan chegaralangan figuraning yuzini toping.

   A) *12,5*   B) *13,5*   C) *27*   D) *25*

8. $x^2 + y^2 + 8x - 2y - 8 = 0$ aylana va $x + y = 4$ to'g'ri chiziqning kesishish nuqtalarini toping.

   A) $(2;1), (-2;1)$ B) $(4;9), (-5;1)$
   C) $(0;4), (-1;5)$ D) $(3;2), (5;-1)$

9. To'g'ri burchakli trapetsiyaning bitta burchagi $60°$, katta asosi 12 sm ga teng. Agar trapetsiyaning kichik diagonali katta asosiga teng bo'lsa, diagonallar o'rtalarini tutashtiruvchi kesma uzunligini (sm) toping.

   A) *5*   B) *8*   C) *4*   D) *3*

10. Qirralari 6 ga teng bo'lgan kubga ichki chizilgan sharning hajmini toping.

    A) 108π B) 72π C) 27π D) 36π

11. Radiuslari 2 va 3 ga teng bo'lgan aylanalar bir-biriga tashqi ravishda urinadi. Ularning ikkalasi uchinchi aylanaga ichki ravishda urinsa va markazlari bitta to'g'ri chiziqda yotsa, tashqi aylananing ichki aylanalardan bo'sh qolgan sohasi yuzini toping.

    A) 4π B) 6π C) 9π D) 12π

12. $y = arcsin\dfrac{x-3}{2} - lg(4-x)$ funksiyaning aniqlanish sohasini toping.

    A) $[1;4)$ B) $[1;5]$ C) $[1;4]$ D) $(1;4)$

13. $a = \sqrt{5} + \sqrt{6}$, $b = \sqrt{3} + \sqrt{8}$, $c = 2 + \sqrt{7}$ sonlarni o'sish tartibida joylashtiring.

    A) $c < b < a$ B) $a < b < c$ C) $b < c < a$
    D) $b < a < c$

14. Asosining tomonlari 12; 9 va 15 hamda asosidagi barcha ikki yoqli burchaklari $60°$ dan iborat bo'lgan uchburchakli piramidaning hajmini toping.

    A) $27\sqrt{3}$ B) $108\sqrt{3}$ C) $162\sqrt{3}$ D) $54\sqrt{3}$

15. Zavodning 3 ta sexida 2740 nafar ishchi ishlaydi. Ikkinchi sexda birinchisiga nisbatan 140 ta ko'p ishchi, uchinchi sexda esa ikkinchisiga nisbatan 1,2 marta ko'p ishchi ishlaydi. Har bir sexda qanchadan ishchi ishlaydi?

    A) *760; 980; 1000*   B) *760; 900; 1080*
    C) *790; 900; 1050*   D) *750; 900; 1090*

16. $f(x) = log_4 x + 4e^{2x}$, $f'(x) - ?$

    A) $\dfrac{1}{ln4} + 8e^x$ B) $\dfrac{1}{xln4} + 8e^{2x}$ C) $xln4 + 8e^x$

    D) $\dfrac{1}{x} + 8e^{2x}$

17. $-2 \le \dfrac{x+5}{x} < 2$ tengsizlikning yechimini toping.

    A) $\left(-\infty; -1\dfrac{2}{3}\right] \cup (0;5)$

    B) $\left(-\infty; -1\dfrac{2}{3}\right] \cup (5;\infty)$

    C) $\left(-1\dfrac{2}{3}; 5\right]$

    D) $\left[-1\dfrac{2}{3}; 0\right] \cup (5;\infty)$

18. $y = \dfrac{2x - 1}{\sqrt{x^2 - 5x + 6}}$ funksiyaning aniqlanish sohasini toping.

    A) $(-2;\ 3)$

    B) $(0;\ 2)$

    C) $(-\infty;\ 3)$

    D) $(-\infty;\ 2) \cup (3;\ \infty)$

19. $\dfrac{6^6 \cdot 2^3 - 3^6}{6^6 + 6^3 \cdot 3^3 + 3^6}$ ni hisoblang.

    A) *9*   B) *7*   C) *11*   D) *3*

20. x, y butun sonlar uchun $-12 \le x < 13$, $-9 < y \le 6$ va $x + y \ne 0$ bo'lsa, $\dfrac{x - y}{x + y}$ ning eng katta qiymatini toping.

    A) *17*   B) *20*   C) *14*   D) *18*

21. Uchlari $A(1;1)$, $B(-2;3)$ va $C(-1;-2)$ nuqtalarda bo'lgan uchburchakning A va B burchaklarini toping.

    A) $30°; 90°$ B) $60°; 30°$ C) $45°; 90°$

    D) $90°; 45°$

22. Teng yonli uchburchakning uchidagi tashqi burchagi $120°$ ga teng bo'lsa, asosidagi burchak sinusini toping.

    A) $\dfrac{\sqrt{2}}{2}$ B) $\dfrac{1}{2}$ C) $\dfrac{\sqrt{3}}{2}$ D) *1*

23. Agar arifmetik progressiyada $S_{13} = 52$ bo'lsa, a_7 ni toping.

    A) *5*   B) *8*   C) *4*   D) *3*

24. Asosidagi burchaklari $60°$ va $30°$ bo'lgan trapetsiyaga radiusi $3\sqrt{3}$ bo'lgan doira ichki chizilgan. Trapetsiyaning perimetrini toping.

    A) $2\sqrt{2}$ B) $24(1+\sqrt{3})$ C) *8*   D) $3\sqrt{3}$

25. A nuqta ikki yoqli to'g'ri burchakning yoqlaridan 6 va 8 ga teng uzoqlikda yotsa, shu nuqtadan ikki yoqli burchakning qirrasigacha bo'lgan masofani toping.

    A) *8*   B) *10*   C) *9*   D) *12*

26. $2^{x^2 - 16} \le 1$ tengsizlikni yeching.

    A) $(0;\ 2)$ B) $[-4;\ 4]$ C) $(-2;\ 2)$

    D) $[0;\ 4)$

27. Yon sirti 60π ga, balandligi 2 ga teng silindr asosining diametrini toping.

    A) *20*   B) *30*   C) *10*   D) *15*

28. Agar $x \in [-1;\ 2]$ bo'lsa, $y = 5^x$ funksiya qaysi oraliqda yotadi?

    A) $[1;\ 5]$ B) $[0,2;\ 25]$ C) $(0;\ \infty)$

    D) $(0;\ 25]$

29. To'g'ri burchakli trapetsiyaga radiusi 5 ga teng aylana ichki chizilgan. Agar trapetsiyaning katta asosi 17 ga teng bo'lsa, aylana markazidan trapetsiyaning o'tkir burchagigacha bo'lgan masofani toping.

    A) *13*   B) *12*   C) *7*   D) *9*

30. Velosipedchi bir soatda 15,75 km, piyoda esa $4\dfrac{1}{2}$ km yo'l bosadi. Velosipedchining tezligi piyodaning tezligidan necha marta ortiq?

    A) *11,25*   B) *11,5*   C) *3,5*   D) *3,75*

31. Dastur asosida boshqariladigan birinchi hisoblash mashinasini kim va qachon ixtiro qilgan?

    A) *1930 yil, V.Bush*   B) *1941 yil, K.Suze*

    C) *1944 yil, G.Eyken*   D) *1907 yil, Li de Fores*

32. Protsessorlardan ma'lumotlarni baytlarda olib, qurilmalarga bitlarda uzatadigan port turini aniqlang.

    A) *parallel*   B) *ketma-ket*   C) *slot*

    D) *shina*

33. Windows yo'lboshlovchisini ishga tushirish uchun Пуск menyusidagi qaysi bo'lim tanlanadi?

    A) *Программы*   B) *Документы*   C) *Найти*

    D) *Настройка*

34. MS Excel 2003 da katakchadagi "=СУММ(A1:A10;B1;C5)" formula nechta katakchadagi sonni qo'shadi?

    A) *12 ta*   B) *15 ta*   C) *10 ta*   D) *20 ta*

35. Axborot uzatish jarayonida quyidagi qismlardan qaysi biri bo'lishi shart?
1) Axborot qabul qiluvchi 2) Axborot manbai 3) Axborot uzatish vositasi

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

36. Paskalda quyidagi ifoda a=5, b=15, c=2 bo'lsa qanday natija beradi?
(a+b div c * 4) mod 5 div 3

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

FIZIKA

1. Yopiq idishga to'yingan bug' qamalgan bo'lib bosimi 10 kPa. Agar bosimni 2 marta oshirib, hajmini 2 marta kamaytirsak to'yingan suv bug'larining zichligi qanday o'zgaradi? Jarayon izotermik.

    A) *2 marta oshadi*

    B) *o'zgarmaydi*

    C) *haroratning qandayligicha bog'liq*

    D) *2 marta kamayadi*

2. Ichki yoonuv dvigatelining nechanchi taktida ish bajariladi?

    A) *to'rtinchi*   B) *uchinchi*   C) *birinchi*
    D) *ikkinchi*

3. Elementlari ketma-ket ulangan zanjirning o'zgaruvchan tokka nisbatan to'liq qarshiligi $\sqrt{R^2 + (\omega L - 1/\omega C)^2}$ ga teng. Rezonans hodisasi kuzatilganda bu qarshilik nimaga teng bo'ladi?

    A) $\sqrt{R^2 + (\omega C + 1/\omega L)^2}$

    B) R

    C) $\sqrt{R^2 + (\omega C - 1/\omega L)^2}$

    D) $\sqrt{R^2 + (\omega L - 1/\omega C)^2}\,/2$

4. Ko'ndlang kesimining yuzi 1,72 mm^2 bo'lgan mis simdan 10 sm diametri halqa kavsharlab yasalgan. Halqa bir jinsli magnit maydonga, magnit induksiya chiziqlariga perpendikular ravishda joylashgan. Agar magnit maydon induksiyasi 1 T/s tezlik bilan bir tekis o'zgara boshlasa, halqada qanday tok kuchi (A) paydo bo'ladi? ρ_m=1,72·10^{-8} Ω·m

    A) *2,5*   B) *5*   C) *7,5*   D) *10*

5. Harorati -73°C bo'lgan gaz molekulalari ilgarilanma harakat kinetik energiyasini 3 marta ortirish uchun gazni qanday haroratgacha (°C) qizdirish kerak?

    A) *219*   B) *327*   C) *200*   D) *600*

6. Agar prujinani 0,01 m siqish uchun 10 N kuch kerak bo'lsa 0,08 m ga siqish uchun ketgan kuchning ishini (J) toping.

    A) *0,8*   B) *6,4*   C) *3,2*   D) *1,6*

7. Radiusi R bo'lgan shar yerda tinch turibdi. O'lchami sharning o'lchamidan ancha kichik jism sharning yuqorigi nuqtasidan tinch holatdan boshlab sirpanmoqda. Yer sirtidan qanday h balandlikda jism shardan ajraladi?

    A) $h = 5R/3$ B) $h = 2,5R$ C) $h = 2R/3$
    D) $h = R/3$

8. Raketa gazlarning chiqish tezligi 3,5 km/s bo'lganda 2000 kg/s yonilg'i sarflayotgan dvigatelning tortish kuchini (N) aniqlang.

    A) $7 \cdot 10^6$ B) $9 \cdot 10^6$ C) $10 \cdot 10^6$ D) $7 \cdot 10^3$

9. Foton energiyasi 3 marta oshsa uning to'lqin impulsi va to'lqin uzunligi necha marta ortadi?

    A) *3 va 1/3 marta*   B) *3 va 1,5 marta*
    C) *3 va 3 marta*   D) *1,5 va 1/3 marta*

10. Vakuumli diodning anodiga $4 \cdot 10^{16}$ ta elektron etib borganida elektr maydoni 3,2 J ish bajargan bo'lsa anod kuchlanishini (V) toping.

    A) *128*   B) *800*   C) *500*   D) *250*

11. Sochuvchi linzadan $d = 2F$ masofada turganda tasvir qanday ko'rinishda bo'ladi?

    A) *haqiqiy, kattalashgan*
    B) *haqiqiy, kichiklashgan*
    C) *mavhun, kattalashgan*
    D) *mavhun, kichiklashgan*

12. Agar ichki qarshiligi 1 Ω bo'lgan ampermetrga 0,2 Ω qarshilik parallel ulansa, uning o'lchash chegarasi necha marta orttirilgan bo'ladi?

    A) *8*   B) *6*   C) *4*   D) *2*

13. Manba ichki qarshiligi 0,5 Ω ga teng. Tashqi qarshilik 4 Ω dan 8 Ω ga o'zgartirilganda FIK (%) qanchaga ortadi?

    A) *9*   B) *3*   C) *5*   D) *11*

14. Rasmdagi har bir kondensatorning sig'imi C ga teng. M va N nuqtalar orasidagi potensiallar farqi 120 V bo'lsa, K va L nuqtalar orasidagi potensiallar farqini (V) toping.

    A) *40*   B) *60*   C) *30*   D) *20*

15. Tinch holatidan boshlab tekis tezlanuvchan harakat qilayotgan jismning 10- sekundda bosib o'tgan yo'li 5- sekundda bosib o'tgan yo'lidan necha marta farq qiladi?

    A) *19/5*   B) *4*   C) *19/9*   D) *19/7*

16. Tomonlari 0,5 m bo'lgan yog'och kub ko'lda 2/3 qismi botgan holda suzib yuribdi. Shu kubni suvga to'liq botirish uchun qanday minimal ish (J) bajarish kerak?

    A) *54*   B) *74*   C) *34*   D) *68*

17. Tebranish konturida sig'imi 80 pF bo'lgan kondensator va induktivligi 20 μH g'altak bor. Konturning xususiy tebranishlari davri (μs) qanday?

    A) *0,20*   B) *0,45*   C) *0,50*   D) *0,25*

18. Radiusi 0,2 m bo'lgan metall sharda $4\pi \cdot 10^{-8}$ C zaryad bo'lsa, uning sirtida zaryadning o'rtacha zichligi qanday (C/m^2)? $\varepsilon = 1$ deb oling.

    A) *$0{,}8 \cdot 10^{-7}$*   B) *$1{,}6 \cdot 10^{-7}$*   C) *$2{,}5 \cdot 10^{-7}$*
    D) *$4{,}2 \cdot 10^{-7}$*

19. Buyum va tasvir orasidagi masofa 9 sm. Agar tasvir 2 marta kattalashgan bo'lsa, linzaning fokus masofasi (sm) qanday?

    A) *18*   B) *4,5*   C) *2*   D) *6*

20. Uzoq masofaga uchayotgan kosmik kemaning tezligi harakat boshidan 1 soat o'tgach 1000 km/s ga yetdi. Kemaning tezlanishini (m/s^2) toping.

    A) *1000*   B) *0,278*   C) *100*   D) *278*

21. Gorizontal taglik bilan unda yotgan 0,7 kg massali taxta orasidagi ishqalanish koeffitsienti 0,6 ga teng. Taxtaga 0,3 kg massali yuk qo'yilgan. Yuk va taxta orasidagi ishqalanish koeffitsienti 0,4 ga teng. Yuk sirpanib tushib qolishi uchun taxtani gorizontal yo'nalishda eng kamida qanday doimiy kuch (N) bilan tortish kerak?

    A) *19*   B) *11*   C) *4,9*   D) *9,8*

22. Yadro reaksiyasida tushirib qoldirilgan zarrani aniqlang.
    $$^{7}_{3}Li + ? \rightarrow {}^{10}_{5}B + {}^{1}_{0}n$$
    A) *α*   B) *β*   C) *γ*   D) *n*

23. Bir jinsli magnit maydon induksiyasi 2 marta ortsa, bu maydonga joylashgan o'tkazgichdagi tok kuchi qanday o'zgaradi?

    A) *2 marta ortadi*   B) *2 marta kamayadi*
    C) *4 marta ortadi*   D) *o'zgarmaydi*

24. Bir atomli gazning hajmi 3,6 marta kamayganda bosimi 20% ga ortgan bo'lsa, uning ichki energiyasi necha marta o'zgargan?

    A) *5 marta kamaygan*   B) *3 marta kamaygan*
    C) *2 marta kamaygan*   D) *4 marta kamaygan*

25. Hajmi bir litr bo'lgan kub shaklidagi idish suv bilan to'ldirilgan. Suvning idish tubiga va to'rt devoriga bo'lgan umumiy bosim kuchini (N) aniqlang.

    A) *29,4*   B) *30*   C) *28,3*   D) *24,4*

26. Eynshteynning massa bilan energiyaning o'zaro bog'liqlik qonunini ifodalaydigan mashhur formulasini ko'rsating.

    A) $E = mc^2$

    B) $E = mgh$

    C) $E_k = \dfrac{mv^2}{2}$

    D) $E = IUt$

27. Prujinaga mahkamlangan shar muvozanat vaziyatidan chiqarib qo'yib yuborildi. Prujina muvozanat vaziyatidan amplitudaning yarmigacha (v_1) va to'rtdan bir qismigacha (v_2) uzoqlashgan nuqtalardagi tezliklari nisbati v_1/v_2 ni toping. Tebranishlar kosinus qonuni asosida ro'y bermoqda. $\sin 30° = 1/2$; $\sin 82° = 0{,}99$; $\sin 60° = \sqrt{3}/2$; $\sin 75° = 0{,}96$

    A) *$\sqrt{3}/2$*   B) *$\sqrt{5}/5$*   C) *2*   D) *$2\sqrt{5}$*

28. Agar elastik muhitda tarqalayotgan to'lqin muhit zarralari 140 marta tebranguncha, 70 m masofani bosib o'tsa, bu to'lqinning uzunligi (m) qancha?

    A) *20*   B) *0,5*   C) *1*   D) *2*

29. Yashil shisha orqali qizil harflarga qaralsa, ular qanday rangda ko'rinadi?

    A) *qizil*   B) *qora*   C) *yashil*   D) *jigarrang*

30. 220 V kuchlanishli tarmoqqa ulangan lampochkadan 1 A tok oʻtmoqda. Lampochkada tok bajargan ishning 4% yorugʻlik energiyasiga aylanadi. Lampochkada 0,5 soat davomida qancha yorugʻlik energiyasi (J) tarqaladi?

    A) *15400*   B) *15800*   C) *15000*   D) *15840*

31. Molekulalari konsentratsiyasi $2 \cdot 10^{24}$ m^{-3} ga teng boʻlgan idishdagi gazning bosimi $3 \cdot 10^4$ N/m^2 ga teng. Bitta molekulaning oʻrtacha kinetik energiyasini (J) toping.

    A) $3 \cdot 10^{-21}$ B) $2,5 \cdot 10^{-20}$ C) $2,25 \cdot 10^{-20}$
    D) $2,75 \cdot 10^{-20}$

32. Atrof-muhit bilan issiqlik miqdori almashmasdan roʻy beradigan jarayonga qanday jarayon deyiladi?

    A) *izoxorik*   B) *izobarik*   C) *izotermik*
    D) *adiabatik*

33. Moddiy nuqtaning harakati $x = 20 + 4t$ qonuniyat boʻyicha roʻy bermoqda. Agar moddiy nuqtaning massasi 14 kg boʻlsa, uning impulsi (kg·m/s) nimaga teng?

    A) *28*   B) *50*   C) *56*   D) *26*

34. 108 km/soat tezlik bilan ketayotgan 1 t li avtomobilni toʻxtatish uchun qancha ish (kJ) bajarish kerak?

    A) *-445*   B) *-45*   C) *-455*   D) *-450*

35. Yer sirtidan qanday balandlikda (km) jismning massasi 4 marta kamayadi? R=6400 km

    A) *12800*   B) *19200*   C) *oʻzgarmaydi*
    D) *6400*

36. 220 V kuchlanishga moʻljallangan 180 W quvvatli televizorga qoʻyilgan eruvchan saqlagichga 1 A deb yozib qoʻyilgan. Bu saqlagich kun boʻyi qancha kuchlanishga (V) bardosh beradi?

    A) *260,8*   B) *268,8*   C) *240*   D) *230*

INGLIZ TILI

1. Choose the answer which correctly completes the sentence.
   Parents have a big ... to give their children the right start in life.
   A) *responsibility*   B) *responsive*
   C) *responsible*   D) *respond*

2. Choose the answer which correctly completes the sentence.
   David was brought up in ... Republic of Ireland, not in England.
   A) *the*   B) *an*   C) *a*   D) *-*

3. Change the sentence into the Passive Voice.
   They saw him leave the building.

   A) *The building was seen to be left.*
   B) *He saw them leave the building.*
   C) *They were seen to leave the building.*
   D) *He was seen to leave the building.*

4. Choose the answer which correctly complete the sentence.
   A myth is a story ... expresses traditional beliefs.
   A) *where*   B) *when*   C) *what*   D) *which*

5. Choose the answer which correctly completes the sentence.
   He wanted to write to her but she ... give him her address.
   A) *wouldn't*   B) *don't*   C) *hadn't*
   D) *hasn't*

6. Choose the answer which correctly completes the sentence.
   I told the doctor that I had hurt my leg ... I was playing football yesterday.
   A) *during*   B) *while*   C) *till*   D) *as soon as*

7. Choose the answer which correctly complete the sentence.
   I wish I ... taller, because I am not very tall.
   A) *will be*   B) *would be*
   C) *would have been*   D) *were*

8. Choose the answer which correctly complete the sentence.
   We went out for a delicious meal in ... Chinese restaurant last week.
   A) *the*   B) *an*   C) *-*   D) *a*

9. Choose the answer which correctly completes the sentence.
   The twins were difficult to tell apart, particularly when they wore very ... clothing.
   A) *different*   B) *the same*   C) *alike*
   D) *similar*

10. Choose the answer which correctly complete the sentence.
They have promised to lend me a tennis racket so I ... take mine.
A) *mustn't*   B) *daren't*   C) *don't have to*
D) *can't*

11. Choose the answer which correctly completes the sentence.
My little sister likes to sit on a park bench and watch the ducks ... in the pond.
A) *swum*   B) *swimming*   C) *to swim*
D) *swam*

12. Choose the answer which correctly complete the sentence.
You shouldn't get offended. You ... Nick. He didn't mean to hurt you.
A) *must have misunderstood*
B) *mustn't understand*
C) *must be understanding*
D) *must misunderstand*

13. Choose the answer which correctly completes the sentence.
We must run to the cinema. The film ... in five minutes.
A) *will be starting*   B) *is starting*
C) *will start*   D) *starts*

14. Choose the answer which correctly completes the sentence.
You'd better take a sweater with you now ... it gets cold tonight.
A) *while*   B) *during*   C) *in case*
D) *because of*

15. Choose the answer which correctly completes the sentence.
Her son is five years old. She has a ... son.
A) *five years old*   B) *five years older*
C) *five-year-old*   D) *five year olds*

16. Choose the answer which correctly completes the sentence.
When she ran ... of tea, her neighbour gave her some.
A) *out*   B) *by*   C) *in*   D) *up*

17. Choose the answer which correctly completes the sentence.
I'd advise you ... more exercise.
A) *take*   B) *taking*   C) *to take*
D) *to be taken*

18. Choose the answer which correctly completes the sentence.
He is so rude to all my friends that ... of them want to see him.
A) *some*   B) *no*   C) *none*   D) *any*

19. Choose the answer which correctly complete the sentence.
Sorry about the mess - I ... the house.
A) *painted*   B) *had painted*
C) *have been painting*   D) *will have painted*

20. Choose the answer which correctly complete the sentence.
Nobody has told you the secret, ... they?
A) *haven't*   B) *have*   C) *did*   D) *didn't*

21. Choose the answer which correctly completes the sentence.
If we lived in the country, we ... a lot of animals.
A) *had got*   B) *had*   C) *will have*
D) *would have*

22. Choose the answer which correctly completes the sentence.
Mary said she was worried that her son ... studying very well that year.
A) *isn't*   B) *was*   C) *wasn't*   D) *hasn't*

23. Choose the answer which correctly completes the sentence.

    What were you writing when your computer ...?

    A) *was crashing*   B) *crash*   C) *had crashed*
    D) *crashed*

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

Fertility rates in the West had been falling for more than a century, and so following World War II, demographers expected only a modest increase. What happened instead was "the baby boom". Since then, scientists have been arguing about the causes. The best-known explanation comes from economist Richard A. Easterlin of the University of Southern California. He argues that the baby boom resulted from the unprecedented mix of three developments: an expansion of the economy, restricted immigration since the mid-1920s, and a relatively small group of new job seekers because of low fertility in the late 1920s and 1930s. This combination created unusually good job prospects for young people after World War II, and so feeling more prosperous than their parents, they married earlier and had more children.

24. It can be inferred from the passage that ...

    A) *fertility rates tend to increase after great disasters such as wars.*

    B) *scientists have suggested various ways to stop "the baby boom".*

    C) *population growth in the past enabled the present economic growth.*

    D) *it is not always easy to explain population growth as there are various factors to consider.*

25. As it is stated in the passage, "the baby boom" ...

    A) *resulted from a mixture of developments that happened during the war.*

    B) *occurred just before World War II broke out.*

    C) *was the result of unusually good job prospects.*

    D) *had a negative effect on the prosperity of people.*

26. The reason why young people married early and had more children is that they ...

    A) *thought their children would find well-paid jobs.*

    B) *learnt many people died unnecessarily in World War II.*

    C) *wanted to contribute to the welfare of the world by having more children.*

    D) *felt much better off economically than their parents.*

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

The Star Tree hotel chain is in financial trouble and some of their smaller hotels are going to have to be sold. Rising costs are being blamed (27)... recent losses and many smaller hotels (28)... to have been losing money for many years. No buyer has yet been found for the properties.

27.

   A) *to*   B) *about*   C) *for*   D) *with*

28.

   A) *been reported*   B) *are reporting*
   C) *are reported*   D) *have reported*

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

In 900AD the cities of the Mayan civilization were still prosperous, but a hundred years later they (29)... . A number of theories have been put (30)... to explain this. One theory is that the Mayan ruling class died out because rulers did not work and so became (31)..., and there was nobody to tell the formers what to do.

29.

   A) *had abandoned*   B) *had been abandoned*
   C) *abandoned*   D) *have been abandoned*

30.

   A) *forward*   B) *through*   C) *at*   D) *down*

31.

A) *healthy*   B) *unhealthy*   C) *unhealth*
D) *health*

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

On the day of my first piano concert, I became more and more nervous. To help me calm down, my piano teacher told me to place several cabbages in the room where I practiced. I was so eager to get over my nerves that I was willing to try anything. For the next few hours, I played to an audience of cabbages. When the time of the concert came, I was still terribly nervous. My hands felt like ice.

When I finally walked across the stage, I looked out into the dark audience, but I couldn't see anyone. I tried to imagine that all the people sitting in the hall just as well might be cabbages.

As I sat down to play, my hands relaxed and I played all my pieces without a mistake. The concert was a success.

32. The pianist stopped feeling nervous...

A) *because he had practiced a lot*
B) *as soon as the concert was over*
C) *when he found he couldn't see the audience*
D) *when the audience began to applaud*

33. On the day of the concert the teacher ...

A) *felt nearly as nervous as the pianist*
B) *advised him to eat a little cabbage*
C) *couldn't think of a way helping the pianist to stay calm*
D) *advised him to put cabbages in the room where he practiced*

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

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 colour 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 vapour, 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.

34. Which of the following is not true?

A) *Mars has two moons*
B) *Mars is larger than Earth*
C) *Martian soil is rocky*
D) *It takes longer for Mars to circle the Sun than it takes Earth*

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

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