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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: 1000041

Toshkent – 2014

MATEMATIKA (INFORMATIKA BILAN)

1. $x^2 + \frac{16}{x^2} + (x - \frac{4}{x}) - 28 = 0$ tenglamaning ildizlari yig‘indisini toping.
   A) *1* B) *-1* C) *4* D) *0*

2. Talaba besh yilda 31 ta imtihon topshirdi. U har keyingi yilda oldingi yildagiga qaraganda ko‘p imtihon topshirgan. Beshinchi kursda birinchi kursdagidan 3 marta ko‘p imtihon topshirgan bo‘lsa, to‘rtinchi kursda nechta imtihon topshirgan?
   A) *6* B) *8* C) *9* D) *7*

3. $\int\limits_{\frac{\pi}{4}}^{\pi} 8\cos^2 x \cdot \sin 2x dx$ integralni hisoblang.
   A) *1* B) *3* C) *2* D) *-3*

4. Natural m va n sonlar uchun $\frac{m}{4} + n = 8$ bo‘lsa, m qabul qilishi mumkin bo‘lgan qiymatlar ichida eng kattasini toping.
   A) *16* B) *20* C) *28* D) *24*

5. Dastlabki o‘nta hadining yig‘indisi 55 ga teng bo‘lgan arifmetik progressiyaning o‘ninchi hadi 19 ga teng bo‘lsa, uning ayirmasini toping.
   A) *2* B) *-3* C) *-2* D) *3*

6. 3; 5; 9; 17; 33; 65; ... ketma-ketlikning dastlabki n ta hadining yig‘indisini toping.
   A) $2n$ B) $2^n + n - 2$ C) $(2 + 2^{n-1}) \cdot n$
   D) $2^{n+1} + n - 2$

7. Uchburchak tomonlari 5, 6, 7 sm. Uning yuzasini (sm^2) toping.
   A) $5\sqrt{5}$ B) $6\sqrt{6}$ C) *6* D) *8*

8. x, y butun sonlar uchun $-8 \le x \le 19$, $-4 \le y \le 13$ va $x - y \neq 0$ bo‘lsa, $\frac{x+y}{x-y}$ ning eng katta qiymatini toping.
   A) *32* B) *28* C) *27* D) *18*

9. Agar ABC o‘tkirburchakli uchburchakda AB=0,7; BC=0,9; $sinB$=0,8 bo‘lsa, uchinchi tomonning kvadratini toping.
   A) *0,544* B) *0,519* C) *0,541* D) *0,543*

10. Teng yonli uchburchakning yon tomoni 10 sm, asosi 12 sm ga teng. Uchburchakka ichki chizilgan aylanaga o‘tkazilgan urinmalar uchburchakning asosiga tushirilgan balandligiga parallel va berilgan uchburchakdan ikkita to‘g‘ri burchakli uchburchak ajratadi. Ushbu uchburchakning tomonlarini (sm) toping.
    A) *3; 4; 5* B) *2; 3; 4* C) *2; 2; 3* D) *3; 3; 5*

11. $\frac{2^{19} \cdot 27^3 + 15 \cdot 4^9 \cdot 9^4}{6^9 \cdot 2^{10} + 12^{10}}$ ni hisoblang.
    A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) *1* D) *2*

12. Teng yonli trapetsiyaning diagonali 10 ga teng va u asos bilan 60° li burchak tashkil etadi. Trapetsiyaning o‘rta chizig‘ini toping.
    A) $\frac{5\sqrt{3}}{2}$ B) *4* C) *6* D) *5*

13. $log_2(x^2 + 2x + 4) + log_2(x - 2) < log_2(x^3 - x^2 + 4x - 3)$ tengsizlikni yeching.
    A) $(2; 5)$ B) $(-1; 2)$ C) $(1; 5)$ D) $(-1; 5)$

14. To‘g‘ri to‘rtburchakning diagonali 17 sm, tomonlaridan biri esa 8 sm. To‘g‘ri to‘rtburchakning yuzini (sm^2) toping.
    A) *140* B) *120* C) *160* D) *80*

15. $\sqrt[3]{0,5} + \sqrt[3]{4} - \sqrt[3]{13,5}$ ni hisoblang.
    A) $-\sqrt[3]{5}$ B) $-\sqrt[3]{2}$ C) $\sqrt[3]{5}$ D) *0*

16. $(x - 4)(x - 7)(x - 9) > 0$ tengsizlikni yeching.
    A) $x \in (-\infty; 4) \cup (7; 9)$
    B) $x \in (4; 7) \cup (9; \infty)$
    C) $x \in (4; 7)$
    D) $x \in (7; 9)$

17. ABC uchburchak berilgan. AB to‘g‘ri chiziqqa parallel tekislik bu uchburchakning AC tomonini A_1 nuqtada, BC tomonini B_1 nuqtada kesib o‘tadi. AB=15 sm, $AA_1 : AC = 2 : 3$ bo‘lsa, A_1B_1 kesma uzunligini (sm) toping.
    A) *3* B) *2* C) *4* D) *5*

18. Aylananing ikkita kesishuvchi vatarlaridan birining uzunligi 36 sm, ikkinchisi kesishish nuqtasida 18 sm va 16 sm li kesmalarga ajraladi. Birinchi vatarning kesmalarini aniqlang.
    A) 12 va 24 B) 16 va 20 C) 17 va 19
    D) 22 va 14

19. 112 soni shunday 3 bo‘lakka bo‘linganki, 2-bo‘lak 1-bo‘lakning 10% ini, 3-bo‘lak 2-sining 20% ini tashkil etadi. O‘rta bo‘lakni toping.
A) *112/13* B) *10* C) *20* D) *5*

20. $\sqrt{x+1}+\sqrt{2x+3}=5$, tenglamaning haqiqiy ildizlari yig‘indisini toping.
A) -6 B) 3 C) -3 D) 143

21. $\dfrac{sin1^\circ \cdot sin2^\circ \cdot \ldots \cdot sin45^\circ}{cos46^\circ \cdot cos47^\circ \cdot \ldots \cdot cos89^\circ}$ ni hisoblang.
A) *1* B) $\dfrac{\sqrt{2}}{2}$ C) $\dfrac{\sqrt{3}}{2}$ D) $\dfrac{1}{2}$

22. $3ax-6x^2-8+x^3$ ko‘phad to‘la kub bo‘ladigan barcha a larni toping.
A) *2* B) *4* C) *-4* D) *-2*

23. Rombning tomoni 4 ga, o‘tkir burchagi 30° ga teng bo‘lsa, unga ichki chizilgan aylananing uzunligini toping.
A) $\dfrac{\pi}{2}$ B) π C) 2π D) 4π

24. To‘rtburchakli muntazam prizmaga ichki chizilgan silindr yon sirtining prizma yon sirtiga nisbatini toping.
A) 4 B) $\dfrac{\pi}{4}$ C) $\dfrac{\pi}{2}$ D) 2

25. $y=\dfrac{2x-1}{\sqrt{x^2-5x+6}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty;\ 3)$
B) $(-\infty;\ 2)\cup(3;\ \infty)$
C) $(0;\ 2)$
D) $(-2;\ 3)$

26. Agar arifmetik progressiyada $a_1+a_2+a_3=15$ va $a_1a_2a_3=80$ bo‘lsa, uning ayirmasini toping.
A) *4* B) *2* C) *5* D) ± 3

27. $f(x)=cos^4x-sin^4x$ berilgan, $f'\left(\dfrac{\pi}{4}\right)$ ni toping.
A) *2* B) *1* C) *-2* D) *0*

28. $\sqrt{3x^2+7x+2}-\sqrt{2x^2+3x-2}=\sqrt{x^2+2x}$ tenglama ildizlarining yig‘indisini toping.
A) *3* B) *-1* C) *-2* D) *-3*

29. Qirralari 6 ga teng bo‘lgan kubga ichki chizilgan sharning hajmini toping.
A) 108π B) 36π C) 72π D) 27π

30. $\vec{a}(1;-2;2)$ va $\vec{b}(2;-2;-1)$ vektorlar berilgan bo‘lsa, $2\vec{a}^2-4(\vec{a}\vec{b})+5\vec{b}^2$ ifodaning qiymatni toping.
A) *45* B) *44* C) *47* D) *46*

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. Tasvirli fayllarning kengaytmasi keltirilgan qatorni aniqlang.
A) *.bmp, .gif* B) *.com, .exe* C) *.bas, .pas*
D) *.xls, .doc*

34. MS Excel 2003 da AA21 katakchadagi “=КОРЕНЬ(СТЕПЕНЬ(625;2))” formula natijasini aniqlang.
A) *625* B) *390625* C) *25* D) *5*

35. Kompyuter ekranida aks etgan holatni rasmga olish uchun qaysi klavishlardan foydalaniladi?
A) *Shift + Delete* B) *Ctrl + Alt + Delete*
C) *Print Screen / Sys Rq* D) *Ctrl + F12*

36. Dastur lavhasida X qaysi qiymatni qabul qiladi?
VAR i,j,X: intejer;
BEGIN FOR i:=1 TO 2 DO;
FOR j:=2 DOWNTO 1 DO X:=i+j; END.
A) *3* B) *7* C) *4* D) *10*

FIZIKA

1. Kuzatuvchidan 1060 m uzoqlikda temir yo‘l relsiga bolg‘a bilan urildi. Kuzatuvchi relsga quloq tutib, tovushni havo orqali eshitgan vaqtidan 30 s oldin eshitgan bo‘lsa, tovushning po‘latdagi tarqalish tezligini (m/s) toping.
A) *2500* B) *5000* C) *10000* D) *500*

2. Maydonining energiyasi 2 J bo‘lishi uchun induktivligi 1 H bo‘lgan drossel chulg‘amidagi tok kuchi (A) qancha bo‘lishi kerak?
   A) *4* B) *2* C) *1,5* D) *3*

3. 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) *o‘zgarmaydi*
   B) *haroratning qandayligicha bog‘liq*
   C) *2 marta oshadi*
   D) *2 marta kamayadi*

4. Induktivligi 0,4 H bo‘lgan o‘tkazgichning induktiv qarshiligi (Ω) tok chastotasi 50 Hz bo‘lganda qanday?
   A) *200* B) *126* C) *113* D) *20*

5. 6 m balandlikdan erkin tushayotgan 5 kg massali jismning yer sirtidan 3 m balandlikdagi potensial energiyasi (J) nimaga teng?
   A) *180* B) *300* C) *150* D) *100*

6. Tutash idishga simob (ρ_{sm}=13600 kg/m^3) quyildi, uning ustidan bitta idishga 20 sm balandlikda kerosin (ρ_k=800 kg/m^3) quyildi. Ikkinchisiga 48 sm balandlikda moy (ρ_m=900 kg/m^3) quyildi. Ikkala idishdagi simob sathlarining farqini (sm) aniqlang.
   A) *4,4* B) *4,0* C) *1,0* D) *2,0*

7. Harorati 600 K bo‘lgan bir atomli gaz molekulasi ilgarilanma harakatining kinetik energiyasi (J) qanday bo‘ladi?
   A) $10 \cdot 10^{-21}$ B) $6,21 \cdot 10^{-21}$
   C) $62,1 \cdot 10^{-21}$ D) $12,4 \cdot 10^{-21}$

8. Bir uchiga 180 N yuk osilgan sterjen yukdan sterjen uzunligining 0,2 qismiga teng masofada tirgovuch qo‘yilsa u gorizontal holatda muvozanotda buladi. Sterjen og‘irligi (N) qancha?
   A) *180* B) *100* C) *120* D) *240*

9. Bikrligi 250 N/m bo‘lgan prujinaga bog‘lab qo‘yilganda 16 s ichida 20 marta tebradigan yukning massasini (kg) toping. π^2=10
   A) *0,4* B) *1,6* C) *4* D) *16*

10. Qarshiliklari R_1=180 Ω va R_2=360 Ω bo‘lgan ikkita chiroq U=120 V kuchlanishli tarmoqqa parallel ulandi. Chiroqlarning har birida qanday quvvat ajraladi?
    A) *P_1=80 W: P_2=40 W*
    B) *P_1=80 W: P_2=50 W*
    C) *P_1=60 W: P_2=80 W*
    D) *P_1=80 W: P_2=60 W*

11. Yerdan Oygacha bo‘lgan masofa 384 ming km bo‘lsa, Oydan yorug‘lik nuri qancha vaqtda (s) yetib keladi?
    A) *1,5* B) *1,2* C) *1,3* D) *1,4*

12. Temperaturasi 40°C ga ortganda 5 mol neon gazining ichki energiyasi (J) qanchaga o‘zgaradi? Neonning nisbiy molekular massasi M_r=20 g/mol
    A) *2004* B) *2493* C) *2755* D) *3257*

13. 60 dm^3 hajmdagi ballonda 27°C temperaturadagi 5 atm bosim ostida vodorod bor. Vodorodni ideal deb hisoblab ,gazning massasini (g) aniqlang.
    A) *24* B) *40* C) *72* D) *12*

14. Loshmidi sonini belgilang.
    A) $2,3 \cdot 10^{25}\ m^{-3}$ B) $2,7 \cdot 10^{25}\ m^{-1}$
    C) $2,7 \cdot 10^{25}\ m^{-3}$ D) $2,3 \cdot 10^{25}\ m^{-1}$

15. Agar ionlagichning ishlashini o‘zgartirmay turib plastinkalar yaqinlashtirilsa, to‘yinish tokining kuchi qanday o‘zgaradi?
    A) *ortishi ham, kamayishi ham mumkin*
    B) *o‘zgarmaydi*
    C) *ortadi*
    D) *kamayadi*

16. Balandligi 210 m bo‘lgan sharsharadan tushayotgan suvning pastdagi temperaturasi sharshara boshidagi temperaturasidan qancha (°C) ortiq? Suvning solishtirma issiqlik sig‘imi 4200 J/(kg·K). Mexanik energiya suvning isishi uchun sarf bo‘ladi.
    A) *1* B) *2* C) *0,5* D) *1,2*

17. Yadro nuklonlarga ajratib yuborildi. Bunda energiya yutiladimi yoki ajraladimi?
A) *ajraladi*
B) *yutiladi*
C) *yutilishi ham, ajralishi ham mumkin*
D) *og‘ir yadrolarda yutiladi, yengil yadrolarda ajraladi*

18. Kanalning kesimi asoslari 2 va 2,5 m balandligi esa 1 m bo‘lgan trapetsiya shaklida suvning oqish tezligi 0,4 m/s bo‘lsa kanaldagi suv sarfi (m^3/s) toping.
A) *15* B) *45* C) *0,7* D) *0,9*

19. Elektr dvigateli ulangan simdan 0,5 A tok o‘tmoqda. Undagi kuchlanish 20 V. Dvigatel 1 soatda qancha ish (kJ) bajaradi? Dvigatelning FIK 80% ga teng.
A) *800* B) *288* C) *480* D) *28,8*

20. 220 V kuchlanishli elektr tarmoqqa ulangan elektr lampochkadan 1 A tok o‘tmoqda. Shu lampochkani 110 V kuchlanishli elektr tarmoqqa ulansa, undan qancha tok kuchi (A) o‘tadi?
A) *0,5* B) *3* C) *1* D) *2*

21. Gorizontal ravishda aylanayotgan disk ustida, disk o‘qidan 1 m masofada 1 m/s chiziqli tezlik bilan aylanayotgan jism ishqalanish koeffitsiyenti qanday bo‘lganda joyidan qo‘zg‘ala boshlaydi?
A) *0,2* B) *0,05* C) *0,1* D) *0,01*

22. Tebranish konturi sig‘imi 200 pF bo‘lgan kondensator va induktivligi 10 mH bo‘lgan g‘altakdan iborat. Agar tok kuchi amplitudasi 1,0 A bo‘lsa, kuchlanish amplitudasini (V) toping.
A) *7380* B) *7070* C) *7290* D) *7200*

23. Quyidagi tushunchalardan noto‘g‘rilarini ko‘rsating.
1) vaqt birligida tezlikning o‘zgarishi tezlanish deyiladi;
2) harakatning boshlang‘ich va oxirgi nuqtasini birlashtiruvchi kesma ko‘chish deyiladi;
3) harakatning o‘rtacha tezligi o‘rtacha arifmetik qiymatidan katta
A) *1, 2* B) *2, 3* C) *2* D) *3*

24. Massasi va radiusi 2 marta katta bo‘lgan sayyoraga Yerdagiga nisbatan raketani uchirish uchun qanday birinchi kosmik tezlik (km/s) kerak? υ_{Yer}=8 km/s - yerdagi birinchi kosmik tezlik.
A) *8* B) $8\sqrt{2}$ C) *4* D) *16*

25. Massasi 4,9 kg bo‘lgan jism 2,5 kg massali qo‘zg‘almas jism bilan to‘qnashgandan keyin bu ikki jismlar sistemasining kinetik energiyasi 5 J ga teng bo‘lib qolgan. Urilishni markaziy va noelastik hisoblab birinchi jismning urilishdan oldingi kinetik energiyasini (J) toping.
A) *8,5* B) *8,0* C) *7,55* D) *7,0*

26. 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) $h = R/3$ C) $h = 2R/3$
D) $h = 2,5R$

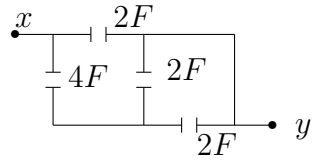
27. Sterjen qanday tezlik bilan harakatlansa, uning uzunligi 2 marta kamayadi?
A) $\upsilon = \dfrac{\sqrt{2}}{2}c$
B) $\upsilon = \dfrac{\sqrt{5}}{2}c$
C) $\upsilon = \dfrac{1}{2}c$
D) $\upsilon = \dfrac{\sqrt{3}}{2}c$

28. Fotonning energiyasi $4{,}4\cdot10^{-19}$ J bo‘lgan yorug‘lik to‘lqin uzunligi $3\cdot10^{-7}$ m. Shu muhitning absolut sindirish ko‘rsatkichini aniqlang. h=$6{,}63\cdot10^{-34}$ J·s
A) *1,6* B) *1,5* C) *1,3* D) *2,4*

29. Prujinaga birinchi jism osilganda prujina 2 sm ga cho‘zildi, ikkinchi jism osilganda yesa 3 sm ga cho‘zildi. Ikkala jism birgalikda osilganda prujina qancha (sm) cho‘ziladi?
A) *1,2* B) *5,0* C) *2,5* D) *2,0*

30. Induksiya vektorining moduli 700 mT bo'lgan bir jinsli magnit maydonining kuch chiziqlariga 30° burchak ostida 2 km/s tezlik bilan uchib kirgan zaryadlangan zarrachaga maydon tomonidan ta'sir etuvchi kuchni (mN) toping. Zarrachaning zaryad miqdori 2 μC ga teng.
A) *2,8* B) *1,2* C) *1,4* D) *0,8*

31. Rasmdagi x va y nuqtalar orasidagi umumiy kuchlanish 40 V. Kondensatorda to'plangan energiyani (J) toping.



A) *3200* B) *600* C) *400* D) *800*

32. Yorug'likka nisbatan shaffof moddadan yasalgan va qavariqlik radiusi 40 sm bo'lgan bir tomonlama qavariq linzaning optik kuchi +2 dptr. Linza tayyorlangan moddaning sindirish ko'rsatkichi qanday?
A) *1,8* B) *1,3* C) *1,5* D) *1,13*

33. 2 m/s boshlang'ich tezlik va 2 m/s^2 tezlanish bilan harakatlanayotgan jismning 4-sekunddagi ko'chishining modulini (m) toping.
A) *10* B) *11* C) *9* D) *8*

34. Bir xil 5 nC dan elektr zaryadiga ega bo'lgan, radiuslari 2 sm va 6 sm ga teng bo'lgan metall sharlar bir-biriga tekizilsa va dastlabki holatga qaytarilsa ularning ta'sirlashuv energiyasi qanday o'zgaradi?
A) *25% ortadi* B) *25% kamayadi*
C) *o'zgarmaydi* D) *32% ortadi*

35. Qarshiligi 5 Ω bo'lgan o'tkazgichning ko'ndalang kesmidan 1,5 min davomida 45 C zaryad miqdori o'tdi. Shu o'tkazgichning uchlaridagi kuchlanishni (V) toping.
A) *1* B) *2,5* C) *5* D) *2*

36. 4 marta kattalashtiradigan lupaning optik kuchini (dptr) aniqlang.
A) *16* B) *4* C) *8* D) *1*

INGLIZ TILI

1. Choose the answer which correctly completes the sentence.
We had to walk home in the rain because Jimmy ... his car keys.
A) *was losing* B) *has lost* C) *lost*
D) *had lost*

2. Choose the answer which correctly complete the sentence.
Peter would buy a Cadillac if it ... so expensive.
A) *isn't* B) *wasn't* C) *weren't*
D) *hasn't been*

3. Choose the answer which correctly completes the sentence.
"Please, please don't hurt him!"
They ... me not to hurt him.
A) *advised* B) *warned* C) *begged*
D) *ordered*

4. Choose the answer which correctly completes the sentence.
He never found his key ... he looked in every pocket and every drawer.
A) *despite* B) *though* C) *as* D) *because*

5. Choose the answer which correctly completes the sentence.
He's talked about it many times. Any ... discussion is useless.
A) *furthest* B) *further* C) *far* D) *farthest*

6. Choose the answer which correctly completes the sentence.
You will see nothing ... you use a microscope. It is the most interesting insect.
A) *in case* B) *unless* C) *if* D) *providing*

7. Choose the answer which correctly completes the sentence.
Now when he's back to his home town it feels ... to be working in his old school.
A) *strangely* B) *stranger* C) *strange*
D) *strangeness*

8. Choose the answer which correctly completes the sentence.
I would go out more often if I ... to work so much.
A) *hadn't* B) *don't have* C) *wouldn't have*
D) *didn't have*

9. Choose the answer which correctly completes the sentence.
Emily stopped her car to let a black cat ... across the street.
A) *runs* B) *ran* C) *run* D) *to run*

10. Choose the answer which correctly completes the sentence.
Why did you say that Paul ... a careful driver?
A) *hasn't* B) *isn't* C) *were*
D) *hadn't been*

11. Choose the answer which correctly completes the sentence.
Nancy used ... a bike to work, but now she drives.
A) *to ride* B) *ride* C) *to be ridden*
D) *riding*

12. Choose the answer which correctly completes the sentence.
These scissors, owing to Mother's warning ... kept out of the children's reach.
A) *being* B) *is* C) *was* D) *are*

13. 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*

14. Choose the answer which correctly completes the sentence.
If you don't get better I'll take you to ... hospital.
A) *a* B) - C) *an* D) *the*

15. Choose the answer which correctly completes the sentence.
He was very tired. Otherwise, he ... to the party with us last night.
A) *would have gone* B) *went*
C) *would be going* D) *would go*

16. Choose the answer which correctly completes the sentence.
The five-cent coin looks very Canadian, ... it has a picture of a beaver on it.
A) *although* B) *since* C) *despite*
D) *when*

17. Choose the answer which correctly completes the sentence.
- Did you see Cornie and Paula when they came?
- No, we were away ... weekend.
A) *that* B) *this* C) *those* D) *these*

18. Choose the answer which correctly complete the sentence.
There's a better way to solve that problem, ...?
A) *is it* B) *isnt't* C) *is there*
D) *isn't there*

19. Choose the answer which correctly completes the sentence.
The cause of car accident ... at present.
A) *are being investigated*
B) *is being investigated* C) *is investigated*
D) *have been investigated*

20. Choose the answer which correctly completes the sentence.
I selected a DVD ... random and put it in the DVD player.
A) *at* B) *on* C) *for* D) *to*

21. Change the sentence into the Passive Voice.
They didn't ask me my name.
A) *My name wasn't asked.*
B) *I didn't ask my name.*
C) *I wasn't asked name.*
D) *I wasn't asked my name.*

22. Choose the answer which correctly completes the sentence.
She has travelled all over ... British Isles, France and the Netherlands.
A) *an* B) *the* C) *a* D) -

23. Choose the answer which correctly completes the sentence.
George's father gives him enough money to go to school, so he ... work.
A) *ought not to* B) *didn't have to*
C) *doesn't have to* D) *has to*

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

Mountains have always evoked awe and inspired artists and adventurers throughout human existence. More recent research has led to important new insights into how mountains, the most magnificent of the Earth's formations, came to be the way they are. Mountains are created and shaped, it now appears, not only by the movements of the vast tectonic plates that make up the Earth's exterior but also by factors such as climate and erosion. In particular, the interactions between tectonic, climatic and erosional processes exert strong control over the shape and maximum height of the mountains as well as the amount of time necessary to build - or destroy - a mountain range. Paradoxically, the shaping of mountains seems to depend as much on the destructive forces of erosion as on the constructive power of tectonics.

24. As it is stated in the passage, recent research has ...
A) *enabled us to have better ideas about how mountains are shaped.*
B) *demonstrated that tectonic plates move usually in one direction*
C) *created more questions about the way mountains were formed.*
D) *confirmed what we already knew about mountain formations.*

25. The movements of tectonic plates, the climate and erosion are factors ...
A) *responsible for all the interactions that occur on the Earth's exterior.*
B) *that help mountains reach great heights.*
C) *that collectively form the interior of the Earth.*
D) *that are effective in the shaping and creation of mountains.*

26. We can understand from the passage that the destructive forces of erosion and the constructive power of tectonics ...
A) *take an equal amount of time to build a mountain.*
B) *both play an equal role in the formation of mountains.*
C) *are not sufficient to build mountain ranges.*
D) *can create mountain ranges with different climates.*

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

28.
A) *are reporting* B) *have reported*
C) *been reported* D) *are 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) *abandoned* B) *had abandoned*
C) *had been abandoned*
D) *have been abandoned*

30.
A) *at* B) *forward* C) *down* D) *through*

31.

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

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

Launched on October 4, 1957, Sputnik 1 was the first craft in orbit around the earth. Named from the Russian phrase for "traveling companion of the world" (Sputnik Zemli), it was a small satellite measuring only 58 sm across. It circled the earth once 96,2 minutes and transmitted information about the earth's atmosphere. After 57 days in space, it re-entered the atmosphere and was destroyed.

This historic launch began an era of intensive space programmers by both the Soviet Union and the United States. In the next three decades, hundreds of probes, satellites, and other missions were to follow Sputnik on the quest to explore both the wonders and the practical potential of space.

32. What is the main idea of the text?

A) *The success of Sputnik 1 exploration.*
B) *The main role of satellites is to send information from space.*
C) *United States tried hard to launch their own satellite.*
D) *Sputnik 1's crash on re-entry delayed other explorations.*

33. How long did Sputnik 1 stay in space?

A) *96,2 minutes* B) *4 days* C) *57 days*
D) *58 minutes*

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 is larger than Earth*
B) *Mars has two moons*
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) *Viking I* B) *Schiaparelli* C) *Martian*
D) *Phobos*

36. Mars has been nicknamed as ...

A) *The Red Planet* B) *Deimos* C) *Viking I*
D) *Martian*