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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: 1000053

Toshkent – 2014

MATEMATIKA (INFORMATIKA BILAN)

1. $A(2;1)$ nuqtadan o‘tib, koordinata o‘qlariga urinuvchi aylana tenglamasini tuzing.

   A) $(x-2)^2+(y-4)^2=9$

   B) $(x-3)^2+(y-3)^2=9$

   C) $(x-1)^2+(y-5)^2=16$

   D) $(x-5)^2+(y-5)^2=25$ *yoki* $(x-1)^2+(y-1)^2=1$

2. Omonatchi bankga 25000 so‘m pul qo‘ydi. Oradan 3 yil o‘tgach, u o‘ziga tegishli hamma pulni qaytarib oldi. Agar bank yiliga 5% foyda to‘lasa, omonatchi bankdan necha so‘m pul olgan?

   A) *28000,125* B) *28940,625* C) *59490,235* D) *27941*

3. $\dfrac{\sqrt{x^2-3x+2}}{4x-x^2-3}\geq 0$

   A) $[2;\ 3)$ B) $(0;\ \infty)$ C) $[0;\ 2)$ D) $(0;\ 1)$

4. To‘g‘ri burchakli trapetsiyaning diagonali uning yon tomoniga teng. Agar bu trapetsiyaning balandligi 2 ga, yon tomoni esa 4 ga teng bo‘lsa, uning o‘rta chizig‘i uzunligini toping.

   A) $5\sqrt{3}$ B) $3\sqrt{2}$ C) $6\sqrt{2}$ D) $3\sqrt{3}$

5. $\vec{a}(1;-2;2)$ 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) *46* B) *44* C) *47* D) *45*

6. $log_{x-1}(x+1)>2$ tengsizlikni yeching.

   A) $(-\infty;0)\cup(3;\infty)$

   B) $(2;3)$

   C) $(0;1)\cup(2;3)$

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

7. $(x-1)^2(x^2-2x)=12$ tenglamaning haqiqiy ildizlari yig‘indisini toping.

   A) *2* B) *4* C) *0* D) *3*

8. Rombning tomoni $10\sqrt{3}$ ga, o‘tmas burchagi 120° ga teng. Rombga ichki chizilgan doiraning yuzini hisoblang.

   A) $48{,}75\pi$ B) $58{,}6\pi$ C) $52{,}25\pi$ D) $56{,}25\pi$

9. 5^{200} sonini 24 ga bo‘lganda qoladigan qoldiqni aniqlang.

   A) *23* B) *1* C) *15* D) *3*

10. $-2\leq\dfrac{x+5}{x}<2$ tengsizlikning yechimini toping.

    A) $\left(-1\frac{2}{3};5\right]$

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

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

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

11. $arccos\dfrac{1}{x}=\dfrac{\pi}{2}(1-\sqrt[3]{x})$ tenglamani yeching.

    A) ± 1 B) *2* C) ± 8 D) $\emptyset$

12. M nuqta ABC uchburchakning og‘irlik markazi. Shu uchburchak tekisligidan 7 sm uzoqlikda O nuqta olingan. $\overline{OA}+\overline{OB}+\overline{OC}$ vektor bilan $\overline{OM}$ vektor uzunliklari nisbatini toping.

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

13. Konusning balandligi va uning yasovchisi mos ravishda 4 sm va 5 sm ga teng. Asosi konus asosida yotgan ichki chizilgan yarimsharning hajmini (sm^3) toping.

    A) $\dfrac{1152}{125}\pi$ B) $\dfrac{156}{137}\pi$ C) 8π D) $\dfrac{125}{1152}\pi$

14. $\sqrt[3]{x}+6=\sqrt[3]{x^2}$ tenglamaning katta va kichik ildizlari ayirmasini toping.

    A) *50* B) *35* C) *45* D) *25*

15. 3; 5; 9; 17; 33; 65; ... ketma-ketlikning dastlabki n ta hadining yig‘indisini toping.

    A) $2^{n+1}+n-2$ B) 2^n+n-2

    C) $(2+2^{n-1})\cdot n$ D) $2n$

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

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

    D) $[0,2;\ 25]$

17. Hosila uchun qaysi munosabatlar o‘rinli?
1) $(\ln \sin x)' = ctgx$;
2) $\left(\cos \frac{1}{x}\right)' = -\frac{1}{x^2} \sin \frac{1}{x}$;
3) $(\log_4 5x)' = \frac{1}{5x \ln 4}$;
4) $\left(2^{\sqrt{x}}\right)' = \frac{2^{\sqrt{x}} \ln 2}{2\sqrt{x}}$
A) *1, 2* B) *1, 3* C) *3, 4* D) *1, 4*

18. $y = \frac{2}{\sqrt[4]{2x+5}}$ funksiyaning boshlang‘ich funksiyasini toping.
A) $\frac{8}{3}\sqrt[4]{(2x+5)^3} + c$
B) $\frac{4}{3}\sqrt[4]{2x+5} + c$
C) $\frac{4}{3}\sqrt[4]{(2x+5)^3} + c$
D) $-\frac{4}{3}\sqrt[4]{(2x+5)^3} + c$

19. $\frac{x^2 - (m-4)x - 4m}{x^2 + (1-m)x - m}$ ni hisoblang.
A) $\frac{x-4}{x-1}$ B) $\frac{x-1}{x+2}$ C) $\frac{x+4}{x+1}$ D) $\frac{x-4}{x-2}$

20. XOY uchburchakda $\angle XOY = 90°$. M va N nuqtalar mos ravishda OX va OY tomonlarning o‘rtalari. Agar XN=19 va YM=22 bo‘lsa, XY ni toping.
A) *26* B) *14* C) *28* D) *13*

21. Balandligi asosining diametriga teng silindrning yon sirti 16π ga teng. Silindr asosining diametrini toping.
A) *8* B) *1* C) *2* D) *4*

22. $4^x - 2 \cdot 6^x = 9^{x+\frac{1}{2}}$ tenglama ildizini toping.
A) $\frac{lg3}{lg\frac{2}{3}}$
B) $lg3$
C) $lg\frac{2}{3}$
D) $-lg\frac{2}{3}$

23. Uchburchakli piramidaning yon yoqlari asos tekisligi bilan 60° li burchak tashkil etadi. Agar piramida asosining yuzi 40 ga teng bo‘lsa, piramidaning to‘la sirtini toping.
A) 128 B) 72 C) 120 D) 80

24. $\sqrt{4\sqrt{2} + 2\sqrt{6}}$ ifodani soddalashtiring.
A) $\sqrt{18} + \sqrt{2}$
B) $\sqrt[4]{18} - \sqrt[4]{2}$
C) $\sqrt{18}$
D) $\sqrt[4]{18} + \sqrt[4]{2}$

25. Agar to‘g‘ri to‘rtburchak kichik tomoni $a = 10\sqrt{2}$ bo‘lsa, uning ixtiyoriy burchagidan katta tomonga o‘tgan bissektrisasi uzunligi qancha?
A) *30* B) *10* C) *20* D) *15*

26. $\left|\frac{2x^5}{x^4 - 16}\right| = \frac{2x^5}{16 - x^4}$ tenglamaning barcha natural yechimlari yig‘indisidan eng katta manfiy butun yechimi ayirmasini toping.
A) *1* B) *4* C) *3* D) *2*

27. $y = \sqrt{16 - x^2}$ funksiyaning grafigi bo‘lgan egri chiziq uzunligini toping.
A) 6π B) 4π C) 8π D) *aniqlab bo‘lmaydi*

28. $(2+\frac{2}{3}-\frac{1}{2})\cdot 6+(\frac{8}{21}+\frac{1}{3}-\frac{5}{7})\cdot 21+(\frac{3}{14}-\frac{2}{7}+\frac{1}{2})\cdot 14$ ni hisoblang.
A) *18* B) *20* C) *19* D) *15*

29. Barcha ikki xonali sonlar ko‘paytmasidan tashkil topgan ko‘paytmada 7 sonining eng katta darajasini aniqlang.
A) *13* B) *14* C) *15* D) *16*

30. $f(x) = x^2 + 2x + 1$ funksiyaning hosilasini toping.
A) $x^2 + 2$ B) $2x^2 + 2$ C) $2x - 2$
D) $2x + 2$

31. Agar kitobdagi axborot hajmi 7 Kbayt bo‘lsa, uni nechta “Axborot” so‘zi bilan almashtirish mumkin?
A) *1024* B) *2048* C) *2000* D) *14336*

32. Amal va o‘tkazish natijasini aniqlang.
$63_8 + 21_8 \to x_2$
A) 1000100_2 B) 1010100_2 C) 1011000_2
D) 1011001_2

33. Nomi S harfidan boshlanuvchi va faqat to‘rtta belgidan iborat ixtiyoriy kengaytmali fayllar qanday belgilanadi?
A) *S* * *.** B) *S???.?* C) *S???.** D) *S*.**

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. 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. Paskal dasturi lavhasidagi natijani aniqlang.
begin X:=2; p:=1; 1:P:=P*(2*x-2); X:=X+3; if X<=6 then goto 1; writeln(P); end.
A) *16* B) *20* C) *2* D) *24*

FIZIKA

1. Tovush havodan suvga o‘tganda tovush to‘lqinining uzunligi necha marta o‘zgaradi? Tovushning suvdagi tezligi 1480 m/s, havodagi tezligi 340 m/s.
A) *4,35* B) *43,5* C) *0,435* D) *435*

2. Energiyasi $6{\cdot}10^{-19}$ J ga teng bo‘lgan fotonning impulsi (kg·m/s) qancha? $c{=}3{\cdot}10^8$ m/s
A) $2{\cdot}10^{-27}$ B) $0{,}2{\cdot}10^{-27}$ C) $2{\cdot}10^{-28}$
D) $0{,}2{\cdot}10^{-28}$

3. Buyum sochuvchi linzadan $d = 4F$ masofada joylashgan. Tasvir linzadan qancha masofada joylashgan?
A) *0,5F* B) *0,8F* C) *0,6F* D) *0,4F*

4. Tinch holatidan boshlab tekis tezlanuvchan harakat qilayotgan jismning 11-sekundda bosib o‘tgan yo‘li 10-sekundda bosib o‘tgan yo‘lidan necha marta farq qiladi?
A) *21/19* B) *121/100* C) *7/3* D) *21/17*

5. Dengizdagi to‘lqin do‘ngliklari orasidagi masofa 5 m. Katerning to‘lqinga qarshi harakatiga 1 s da kater korpusiga 4 marta to‘lqin urildi. To‘lqin bilan bitta yo‘nalishda harakatlanganda 2 marta urildi. Agar kater tezligi to‘lqin tezligidan katta bo‘lsa kater (m/s) va to‘lqin (m/s) tezligini toping.
A) *15; 5* B) *10; 5* C) *20; 10* D) *25; 5*

6. Muz ustida turgan konkichi 5 m/s tezlik bilan 10 kg massali toshni gorizontga 30° burchak ostida uloqtiradi. Agar konkichining massasi 64 kg bo‘lsa, uning harakatdagi boshlang‘ich tezligi (m/s) qanday bo‘ladi?
A) *0,168* B) *0,36* C) *0,136* D) *0,68*

7. υ tezlik bilan borayotgan odam ko‘cha chiroqlari tagidan o‘tib bormoqda, chiroqlar yerdan H balandlikka osilgan. Odamning balandligi h ga teng bo‘lsa, uning yerdagi soyasining uchki qismi qanday tezlikda harakatlanadi?
A) $\dfrac{H+h}{H}\upsilon$ B) υ C) $\dfrac{H}{H-h}\upsilon$ D) $\dfrac{H-h}{H}\upsilon$

8. Temperatura ortishi bilan yarimo‘tkazgichning qarshiligi ...
A) *kamayadi* B) *avval ortadi, keyin kamayadi*
C) *o‘zgarmaydi* D) *ortadi*

9. 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) *7,0* D) *7,55*

10. Molekulalari konsentratsiyasi $2{\cdot}10^{24}$ m^{-3} ga teng bo‘lgan idishdagi gazning bosimi $3{\cdot}10^4$ N/m^2 ga teng. Bitta molekulaning o‘rtacha kinetik energiyasini (J) toping.
A) $2{,}5{\cdot}10^{-20}$ B) $3{\cdot}10^{-21}$ C) $2{,}75{\cdot}10^{-20}$
D) $2{,}25{\cdot}10^{-20}$

11. Massasi va boshlang‘ich temperaturasi bir xil bo‘lgan vodorod va geliy gazlari 70 K ga qizdirildi. Vodorodni qizdirishda bajarilgan ish A_1 va geliyni qizdirishda bajargan ish A_2 lar qanday munosabatda bo‘ladi? (P=const)
A) $A_2 = 4A_1$ B) $A_2 = 2A_1$ C) $A_1 = 2A_2$
D) $A_1 = A_2$

12. $v_0 = \sqrt{2gh}$ tezlikli jism qanday balandlikka ko‘tariladi?
A) h B) $h\sqrt{2}$ C) $\frac{h}{\sqrt{2}}$ D) $2h$

13. 220 V kuchlanishli tarmoqqa ulangan transformatorning birlamchi chulg‘amidagi o‘ramlar soni 100 ta bo‘lsa, o‘ramlar soni 20 ta bo‘lgan ikkilamchi chulg‘amda qanday kuchlanishdagi tok hosil bo‘ladi (V)?
A) *36* B) *22* C) *220* D) *44*

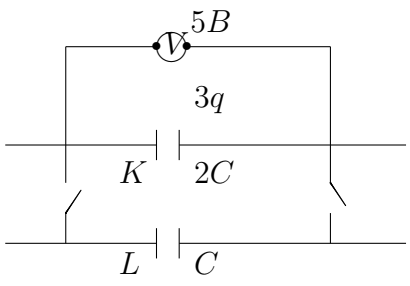
14. Ballonda 20 mol gaz bo‘lsa, undagi molekulalar sonini toping.
A) $1,2 \cdot 10^{25}$ B) $1,2 \cdot 10^{24}$ C) $12 \cdot 10^{25}$
D) $12 \cdot 10^{24}$

15. Elementlari parallel ulangan zanjirning o‘zgaruvchan tokka nisbatan qarshiligi $\left(\frac{1}{R^2} + \left(\omega C - \frac{1}{\omega L}\right)^2\right)^{-1/2}$ ga teng. Rezonans paytida bu qarshilik qanday bo‘ladi?
A) ∞
B) 0
C) $\sqrt{R^2 + (\omega C + 1/\omega L)^2}$
D) R

16. Ko‘tarish kranida 10 ta ko‘char blokdan foydalaniladi. Uning necha marta kuchdan yutuq berishini aniqlang.
A) *20* B) *1024* C) *512* D) *32*

17. Jismning massasi 1 g ga ortishi uchun uning to‘liq energiyasi (TJ) qanchaga ortishi kerak?
A) *80* B) *97* C) *100* D) *90*

18. Shakldagi $3q$ zaryadli kondensatorning uchlari orasidagi potensiallar farqi 5 V. K kondensator zaryadsiz L kondensatorga parallel ulansa L kondensatorning uchlari orasidagi potensiallar farqi (V) nimaga teng?



A) *2/5* B) *5/3* C) *19/3* D) *10/3*

19. Massasi 4 kg bo‘lgan jism havoda 8,3 m/s^2 tezlanish bilan tushmoqda. Havoning qarshilik kuchini (N) toping. g=9,8 m/s^2
A) *6* B) *60* C) *33,2* D) *40*

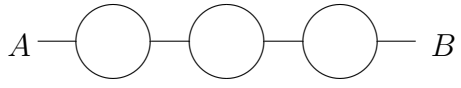
20. Radiusi 0,2 m bo‘lgan metall sharda $4\pi \cdot 10^{-8}$ C zaryad bo‘lsa, uning sirtida zaryadning o‘rtacha zichligi qanday (C/m^2)? ε=1 deb oling.
A) $4{,}2 \cdot 10^{-7}$ B) $0{,}8 \cdot 10^{-7}$ C) $1{,}6 \cdot 10^{-7}$
D) $2{,}5 \cdot 10^{-7}$

21. Bir noinersial sanoq sistemasiga nisbatan o’zgarmas tezlik bilan harakat qilayotgan zaryadlangan zarracha, ikkinchi inersial sanoq sistemasiga nisbatan qanday maydon hosil qiladi? 1 - o’zgaruvchan elektr maydoni; 2 - o’zgarmas elektr maydoni; 3 - o’zgaruvchan magnit maydoni; 4 - o’zgarmas magnit maydoni; 5 - gravitasion maydon.
A) *1, 3, 5* B) *2, 4, 5* C) *1, 2, 3, 4, 5*
D) *2, 5*

22. Tok manbaiga 5 Ω qarshilikka ega bo’lgan rezistor ulanganda tok kuchi 1 A ga, 1,5 Ω qarshilikka ega bo’lgan rezistor ulanganda esa 2 A ga teng bo’ldi. Manbaning ichki qarshiligini (Ω) toping.
A) *0,5* B) *1* C) *2* D) *2,5*

23. 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) *24,4* B) *30* C) *28,3* D) *29,4*

24. Rasmda tasvirlangan har bir halqa qarshiligi R ga teng bo‘lgan o‘tkazgichdan tayyorlanib, ular rasmda ko‘rsatilgandek ulansa A va B nuqtalar orasidagi umumiy qarshilik nimaga teng bo‘ladi?



A) *5R/2* B) *0,75R* C) *1,5R* D) *7R/2*

25. Elektr choynagi 220 V kuchlanishga ulangan holda 3,2 A tok iste’mol qilib 1 l suvni 12 minutda qaynatdi. Suvning boshlang‘ich harorati 20°C bo‘lsa, FIKni (%) toping.
c_{suv}=4200 $\frac{J}{kg \cdot ^\circ C}$
A) *66* B) *71* C) *98* D) *84*

26. O‘zgarmas kuchlanish manbaiga ulangan $2R$ qarshilikka qanday qarshilik ketma-ket ulansa, uning quvvati 2,25 marta kamayadi?
A) *2,25R* B) *0,5R* C) *2R* D) *2,5R*

27. Markazga intilma tezlanish ...
A) *aylanish davri bog‘liq emas*
B) *aylanish davri ortishi bilan ortadi*
C) *aylanish davrining kvadratiga teskari proporsional*
D) *aylanish davrida teskari proporsional*

28. Hajmi 60 m^3 bo‘lgan xonadagi havoning temperaturasi normal bosimda 280 K dan 300 K gacha ko‘tarilganda xonadan qancha massalli (kg) havo chiqib ketadi?
A) *50* B) *20* C) *5* D) *2*

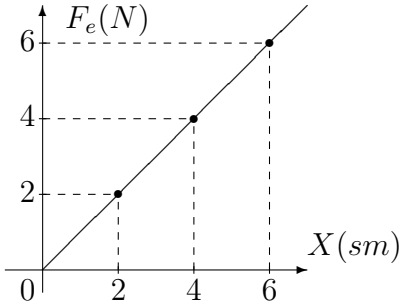
29. $N = N_0 \cdot 2^{-t/T}$
Radioaktiv parchalanish qonunida N nimani bildiradi?
A) *majburiy parchalangan yadrolar sonini*
B) *tabiiy parchalangan yadrolar sonini*
C) *radioaktiv parchalangan yadrolar sonini*
D) *radioaktiv parchalanmagan yadrolar sonini*

30. Ideal gazning massasi o‘zgarmagani holda uning hajmi 4 marta kamaytirilib, bosimi 7 marta orttirilsa, gazning ichki energiyasi necha marta ortadi?
A) *11/4* B) *4/11* C) *7/4* D) *4/7*

31. Koptok yerdan qaytib $2h$ balandlikka ko‘tarilishi uchun uni, h balandlikdan pastga qanday υ_0 boshlang‘ich tezlik bilan tashlash kerak? Urilish absolut elastik deb hisoblansin.
A) $\upsilon = 2gh$ B) $\upsilon = g/h$ C) $\upsilon = gh$
D) $\upsilon = \sqrt{2gh}$

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

33. Grafikdan foydalangan holda elastiklik kuchining bajargan ishini toping.



A) *0,2* B) *0,08* C) *0,18* D) *0,8*

34. Induktivligi 400 μH bo‘lgan g‘altak 400 kHz chastotali tarmoqqa ulangan. G‘altakning reaktiv qarshiligini (kΩ) toping.
A) *2,5* B) *1* C) *2* D) *3*

35. Tutash idishlardan biriga suv (ρ_{suv}=1000 kg/m^3), ikkinchisiga kerosin ($\rho_{kerosin}$=800 kg/m^3) qo‘yildi. Suv sathidan kerosin ustuni necha foiziga yuqori bo‘ladi?
A) *50* B) *18,6* C) *25* D) *20*

36. Biror m massali gaz o‘zgarmas bosimda T_0 dan boshlab, ikkinchi marta $T_0 + 1$ dan boshlab isitiladi. Ikkala holda ham gaz hajmi 2 marta ortdanda isitish to‘xtatildi. Bunda issiqlik miqdori qandy farq qiladi?
A) *bir xil sarf bo‘ladi* B) $2m \cdot c_p$.
C) $m \cdot c_p(T_0 + 1)$ D) $m \cdot c_p \cdot T_0$

INGLIZ TILI

1. Choose the answer which correctly complete the sentence.
The news is going ... tomorrow or the day after tomorrow.
A) *to announce* B) *is announcing*
C) *be announced* D) *to be announced*

2. Choose the answer which correctly complete the sentence.
At the circus the children were kept ... by clown acts.
A) *amuse* B) *to amuse* C) *amusing*
D) *amused*

3. Choose the answer which correctly completes the sentence.
If I bought him a computer he would ... games all day long.
A) *have played* B) *played* C) *be playing*
D) *to play*

4. Choose the answer which correctly completes the sentence.
She wouldn't have got wet if she ... her umbrella.
A) *takes* B) *would take* C) *took*
D) *had taken*

5. 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) *can't* C) *don't have to*
D) *daren't*

6. Choose the answer which correctly completes the sentence.
It was lovely and ... in the swimming pool so he dived straight in.
A) *warmth* B) *warmly* C) *warmed*
D) *warm*

7. Choose the answer which correctly completes the sentence.
You can't go on holiday without ... money.
A) *some* B) *many* C) *any* D) *no*

8. Choose the answer which correctly completes the sentence.
The Chinese were the first ... on the construction of the transcontinental railroad system.
A) *to work* B) *works* C) *working*
D) *work*

9. Choose the answer which correctly completes the sentence.
They asked me, "Where has she gone?"
I wonder where ... .
A) *she has gone* B) *has she gone*
C) *had she gone* D) *she had gone*

10. Choose the answer which correctly complete the sentence.
The employees think ... of their new manager.
A) *highly* B) *higher* C) *highest*
D) *the highest*

11. Choose the answer which correctly completes the sentence.
Last summer we went to stay in ... village where my grandmother was born.
A) *an* B) *a* C) - D) *the*

12. Choose the answer which correctly completes the sentence.
In Britain you ... drive a car when you're 17.
A) *must* B) *need* C) *have to* D) *can*

13. Choose the answer which correctly completes the sentence.
She went to the bank ... to get some money.
A) *even though* B) *in case* C) *unless*
D) *in order*

14. Choose the answer which correctly completes the sentence.
The sky grew ... as the storm approached.
A) *dark* B) *darken* C) *darkly*
D) *darkness*

15. Choose the answer which correctly completes the sentence.
I haven't got enough cash. Can I pay ... cheque?
A) *with* B) *in* C) *from* D) *by*

16. Choose the answer which correctly completes the sentence.
I saw you in the park yesterday. You ... with your friend Tom.
A) *sit* B) *sat* C) *had sat* D) *were sitting*

17. Choose the answer which correctly complete the sentence.
Sara, my next door neighbour, has a car, but she ... it very often.
A) *isn't using* B) *hasn't been using*
C) *doesn't use* D) *hasn't used*

18. Choose the answer which correctly completes the sentence.
I still prefer to travel by plane ... the increase in air fares.
A) *because of* B) *despite* C) *although*
D) *in spite*

19. Choose the answer which correctly complete the sentence.
After the president of the company had made decision, his resignation ... announced yesterday on television.
A) - B) *was* C) *has* D) *have been*

20. Choose the answer which correctly completes the sentence.
Horror films are popular ... there is a lot of criticism of them.
A) *though* B) *as if* C) *despite* D) *so*

21. Choose the answer which correctly completes the sentence.
There are 9 planets in our solar system, and ... Pluto is the farthest.
A) *an* B) - C) *the* D) *a*

22. 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*

23. Choose the answer which correctly completes the sentence.
I don't like cooking, and...
A) *he doesn't either* B) *either he doesn't*
C) *he doesn't neither* D) *he either doesn't*

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

When the first cars hit British roads in the late 19th century, they had an unusual safety feature. Every "horseless carriage" was guided by a man walking in front waving a red flag to warn other road users of the vehicle's approach. These early precautions, known as the "red flag laws", seem laughable now. However, future generations may look at current safety measures in much the same way. In the US state of Nevada, the government has begun to draft a set of regulations that will allow self-driving vehicles on its roads. These cars will have technological advantages such as cameras that determine exactly where other cars are and how fast they are moving. Promoters of the self-driving cars believe they will save time and fuel, and reduce traffic jams. If these cars become a reality, there may be a dramatic decrease in human drivers on the roads. People who still want the pleasure of driving themselves will someday have to warn other road users that they are engaging in such a dangerous activity. People then might consider reintroducing the red flags.

24. The author of the passage thinks that ...
A) *many cars will not be driven by humans when unmanned cars come into existence.*
B) *current technology is insufficient to meet safety needs on today's roads.*
C) *precautions taken by the British were not as effective as those of the Nevada government.*
D) *road users rely heavily on self-driving cars due to their technological advantages.*

25. It can be understood from the passage that ...
A) *we need to build special roads for self-driving cars.*
B) *the technical features of self-driving cars will make them expensive at first.*
C) *the designs of self-driving cars will be more attractive than current ones.*
D) *promoters of the self-driving cars believe these cars will have several benefits.*

26. It is inferred in the passage that ...
A) *driving a car yourself may be considered dangerous in the future.*
B) *the Nevada government was inspired by the "red flag laws" while drafting regulations for self-driving cars.*
C) *cars were often used to carry equipment when they were first introduced to British roads in the 19th century.*
D) *a red flag was generally used to signal the approach of a pedestrian.*

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

Many famous people did not enjoy (27)... success in their early lives. Walt Disney, who was the creator of Mickey Mouse and the founder of his own movie production company, once was fired by a newspaper editor because he had (28)... good ideas.

27.
A) *immediate* B) *immediately*
C) *immediacy* D) *imitate*

28.

A) *no* B) *nothing* C) *none* D) *any*

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

Consumers are creatures of habit: they buy the same products time and time again, and such is their (29)... with big brands, and the colours and logos that represent them, that they can register a brand they like with barely any conscious thought process. The packaging of consumer products (30)... therefore crucial vehicle for delivering the brand and the product (31)... our shopping baskets.

29.

A) *familiarity* B) *familiar* C) *familiarize* D) *familiarly*

30.

A) *are* B) *is* C) *have been* D) *will be*

31.

A) *into* B) *towards* C) *of* D) *with*

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) *Sputnik 1's crash on re-entry delayed other explorations.*

C) *The main role of satellites is to send information from space.*

D) *United States tried hard to launch their own satellite.*

33. How long did Sputnik 1 stay in space?

A) *4 days* B) *57 days* C) *96,2 minutes* 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 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) *Martian* D) *Viking I*

36. Mars has been nicknamed as ...

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