

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: **1000051**

Toshkent – 2014

**MATEMATIKA (INFORMATIKA BILAN)**

1.  $ABC$  uchburchakda  $a=3$ ;  $b=5$ ;  $\angle C=60^\circ$  bo'lsa,  $c$  ni toping.

A)  $\sqrt{19}$  B)  $\sqrt{21}$  C)  $\sqrt{23}$  D)  $\sqrt{17}$

2.  $\frac{1}{2} + \frac{1}{24} + \frac{1}{48} + \frac{1}{80} + \frac{1}{120} + \frac{1}{168}$  ni hisoblang.

A)  $\frac{33}{56}$  B)  $\frac{125}{333}$  C)  $\frac{33}{76}$  D)  $\frac{15}{28}$

3.  $\frac{\sqrt[4]{7\sqrt[3]{54} + 15\sqrt[3]{128}}}{\sqrt[3]{4\sqrt[4]{32} + \sqrt[3]{9\sqrt[4]{162}}}}$  ni hisoblang.

A)  $\frac{2}{3}$  B)  $\frac{1}{4}$  C) 1 D)  $\frac{3}{5}$

4.  $\frac{\left(\frac{1}{a} + \frac{1}{b} - \frac{2c}{ab}\right)(a+b+2c)}{\frac{1}{a^2} + \frac{1}{b^2} + \frac{2}{ab} - \frac{4c^2}{a^2b^2}}$  ifodani

soddalashtiring va uning son qiymatini toping.

$a=7,4$ ;  $b = \frac{5}{37}$ .

A) 0 B)  $\frac{1}{2}$  C) 1 D)  $\frac{4}{5}$

5.  $\frac{a^3 - 2a^2 + 5a + 26}{a^3 - 5a^2 + 17a - 13}$  kasrni qisqartiring.

A)  $\frac{a-2}{a+2}$  B)  $\frac{1-a}{a+2}$  C)  $\frac{a+2}{a-1}$  D)  $\frac{a+2}{a-2}$

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

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

7. 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; 900; 1080 B) 760; 980; 1000  
C) 790; 900; 1050 D) 750; 900; 1090

8. Ikki xonali son raqamlari kvadratlarining yig'indisi 13 ga teng. Agar undan 9 ni ayirsak, shu son raqamlarining teskari tartibda yozilgani kelib chiqsa, ikki xonali sonning raqamlari yig'indisini toping.

A) 5 B) 6 C) 8 D) 7

9.  $f'(x) = 12x^5 - 4x^3 - 2x + 5$ ,  $f(-1) = 0$ ,  $f(1) = ?$

A) 8 B) -10 C) -8 D) 10

10. To'g'ri burchakli uchburchakning gipotenuzasi  $c$  ga, unga ichki chizilgan aylana radiusi  $r$  ga teng bo'lsa, uchburchakning yuzini toping.

A)  $c^2 + cr$  B)  $2cr$  C)  $r^2 + cr$  D)  $r^2 + c^2$

11. To'g'ri to'rtburchakning bo'yi kvadratning tomonidan 8 m uzun, eni esa shu kvadrat tomonidan 4 m qisqa. Kvadrat tomonini  $x$  bilan belgilab, to'g'ri to'rtburchak perimetri va yuzi uchun ifoda tuzing.

A)  $P = 4x + 4$ ;  $S = x^2 + 4x - 18$

B)  $P = 4x + 8$ ;  $S = 4(x + 8)$

C)  $P = 4x + 2$ ;  $S = (x + 8)(x - 4)$

D)  $P = 4(x + 2)$ ;  $S = (x + 8)(x - 4)$

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

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

13.  $\sqrt[3]{x+2} + \sqrt[3]{x+3} + \sqrt[3]{x+4} = 0$  tenglama ildizlarining yig'indisini toping.

A) 1 B) 2 C) -5 D) -3

14.  $\log_2(x^2 + 2x + 4) + \log_2(x - 2) < \log_2(x^3 - x^2 + 4x - 3)$  tengsizlikni yeching.

A) (2; 5) B) (-1; 5) C) (1; 5) D) (-1; 2)

15. Arifmetik progressiyada  $a_4 + a_7 = 10$  bo'lsa,  $a_2 + a_9$  ni toping.

A) 11 B) 8 C) 9 D) 10

16.  $\sin x = \cos 2x$  tenglamani yeching.

A)  $\frac{\pi}{3} + \frac{2\pi k}{3}$ ,  $k \in Z$

B)  $\frac{\pi}{6} + \frac{\pi k}{3}$ ,  $k \in Z$

C)  $\frac{\pi}{6} + \frac{2\pi k}{3}$ ,  $k \in Z$

D)  $\frac{2\pi}{3} + \frac{\pi k}{3}$ ,  $k \in Z$

17. Doiraning yuzi  $6,25\pi$  ga teng. Bu doirada uzunligi 3 ga teng bo'lgan vatar o'tkazilgan. Doira markazidan vatargacha bo'lgan masofani toping.

A) 3 B) 4 C) 2,5 D) 2

18.  $2012^{2011^{2010}}$  sonining oxirgi raqamini toping.

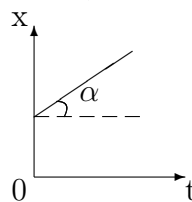
A) 8 B) 4 C) 2 D) 6

19.  $y = \frac{2x - 1}{\sqrt{x^2 - 5x + 6}}$  funksiyaning aniqlanish sohasini toping.  
 A)  $(-2; 3)$   
 B)  $(-\infty; 2) \cup (3; \infty)$   
 C)  $(-\infty; 3)$   
 D)  $(0; 2)$
20. Aylanaga tashqi chizilgan muntazam oltiburchakning tomoni  $2\sqrt{3}$  sm bo'lsa, shu aylanaga ichki chizilgan kvadratning yuzini ( $\text{sm}^2$ ) hisoblang.  
 A) 18 B) 20 C) 16 D) 12
21.  $f(x) = \log_4 x + 4e^{2x}$ ,  $f'(x) = ?$   
 A)  $\frac{1}{x} + 8e^{2x}$  B)  $\frac{1}{x \ln 4} + 8e^{2x}$  C)  $x \ln 4 + 8e^x$   
 D)  $\frac{1}{\ln 4} + 8e^x$
22. Silindrga shar ichki chizilgan. Silindr o'q kesimining diagonali  $l$  ga teng bo'lsa, shar sirtining yuzini hisoblang.  
 A)  $\frac{\pi}{3} \cdot l^2$  B)  $\pi \cdot l^2$  C)  $\frac{\pi}{4} \cdot l^2$  D)  $\frac{\pi}{2} \cdot l^2$
23.  $\frac{x^2 - 5x - 6}{x^2 - 4x + 10} \leq 0$  tengsizlikni yeching.  
 A)  $\left(\frac{1}{2}; 6\right)$   
 B)  $(0; 3)$   
 C)  $[-1; 6]$   
 D)  $[0; 5]$
24.  $|x + 1| = |x - 1|$  tenglamaning ildizlarini toping.  
 A)  $-1; 0$  B)  $\emptyset$  C)  $-1; 1$  D)  $0$
25.  $ABC$  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) 2 B) 3 C) 4 D) 5
26. Yo'lovchi yuqoriga harakatlanib, harakatsiz eskalatorlarda 3 minutda, harakatlanayotgan eskalatorlarda 45 sekundda ko'tariladi. Eskalatorlarda harakatsiz turgan yo'lovchi qancha vaqtda (min) ko'tariladi?  
 A) 2,5 B) 1,5 C) 1 D) 2
27. Agar  $|\vec{AB}| = |\vec{AC}| = |\vec{AB} + \vec{AC}| = 4$  bo'lsa,  $|\vec{CB}|$  ning qiymatini toping.  
 A) 4,5 B)  $4\sqrt{2}$  C)  $2\sqrt{3}$  D)  $4\sqrt{3}$
28.  $x^2 - 3x - 6\sqrt{3x} + 18 = 0$  tenglama ildizlari ko'paytmasining ildizlari soniga ko'paytmasini toping.  
 A)  $\frac{2}{3}$  B) 3 C) -3 D) 6
29. 2 ta parallel to'g'ri chiziqni uchinchi to'g'ri chiziq kesib o'tganda hosil bo'lgan ichki bir tomonli burchaklar  $\frac{7}{13}$  nisbatda. Ulardan kattasini toping.  
 A)  $113^\circ$  B)  $117^\circ$  C)  $120^\circ$  D)  $63^\circ$
30.  $0,25 < \frac{y^2 - 0,25y + 1}{1 + y^2} < \frac{15}{16}$  tengsizlikning tub sonlardan iborat yechimlari nechta?  
 A) 2 B) 3 C) 5 D) 4
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. Kompyuter uchun yangi dasturlar tayyorlash va tahrirlashni yengillashtiruvchi dasturlar qanday nomlanadi?  
 A) Sistema dasturlari B) Amaliy dasturlar  
 C) Uskunaviy dasturlar D) Utilitalar
34. MS Excel 2003 da berilgan shartni qanoatlantiruvchi satrlarni ajratib olish amali qanday ataladi?  
 A) filtrlash B) tartiblash C) avtofiltr  
 D) hisobga olish
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 write protsedurasi necha marta bajariladi?  
for i:=1 to 3 do for j:=0 to 3 do write (i+j);  
A) 1 marta B) 3 marta C) 12 marta  
D) 9 marta

### FIZIKA

- Quyidagilardan qaysi biri kuch impulsi va jism impulsi orasidagi munosabatni ifodalaydi?  
A)  $\vec{M} = \vec{F} \cdot r$  B)  $\vec{F}t = m\vec{v} - m\vec{v}_0$   
C)  $M = Ft - Fm_0$  D)  $Ft = m_1v_1 + m_2v_2$
- 5 m/s tezlik bilan harakatlanayotgan jism kinetik energiyasi 50 J bo'lsa, uning impulsini (kg·m/s) toping.  
A) 25 B) 15 C) 10 D) 20
- Tebranish konturi sig'imi 400 pF bo'lgan kondensatordan va induktivligi 10 mGn bo'lgan g'altakdan iborat. Kuchlanish amplitudasi 500 V bo'lsa, tok kuchi (mA) amplitudasini toping.  
A) 10 B) 0,01 C) 100 D) 0,1
- Atom holatidagi kislorod zarrachalarining 138°C dagi o'rtacha kvadratik tezliklarini (m/s) aniqlang.  $M_{atom}=16$  g/mol,  $R=8,3 \frac{J}{K \cdot mol}$   
A) 650 B) 840 C) 540 D) 800
- 3 kg massali 15 m/s tezlik bilan harakatlanayotgan aravacha unga qarama-qarshi yo'nalishda xuddi shunday tezlikda harakatlanayotgan 1 kg massali aravachaga urilib, unga yopishib qoldi. Ularning birgalikdagi tezligini (m/s) toping.  
A) 5 B) 15 C) 13,2 D) 7,5
- 220 V kuchlanishli tarmoqqa ulangan lampochkadan 1 A tok o'tmoqda. Lampochkada tok bajargan ishning 4% yorug'lik energiyasiga aylanadi. Lampochkada 0,5 soat davomida qancha yorug'lik energiyasi (J) tarqaladi?  
A) 15400 B) 15000 C) 15840 D) 15800
- Isitgich elektr choynakda boshlang'ich temperaturasi 10°C bo'lgan 2 kg massali suvni quvvati 1 kVt bo'lgan. Elektr choynakning FIK 90%. Agar kuchlanish 220 V bo'lsa, isitgich elementining elektr spiralidagi tok kuchi (A) qanday bo'ladi?  
A) 45 B) 4500 C) 450 D) 4,5
- Qaytgan nurni 20° ga burish uchun ko'zguni qanchaga burish kerak?  
A) 10° B) 5° C) 20° D) 40°
- Yerdan  $h$  balandlikda  $v$  tezlik bilan gorizontal otilgan jism  $L_1$  masofaga tushsa yerdan  $4h$  balandlikda  $2v$  tezlik bilan gorizontal otilgan jism necha  $L_2$  masofaga borib tushadi?  
A) 4 B) 1 C) 3 D) 2
- Aylana bo'ylab tekis harakat qilayotgan moddiy nuqtaning chiziqli tezligi 2 m/s va burchak tezligi 5 rad/s bo'lsa, markazga intilma tezlanishini (m/s<sup>2</sup>) toping.  
A) 10 B) 15 C) 20 D) 5
- 27°C temperaturada yopiq idishdagi gazning bosimi 150 kPa edi. -13°C da bosim (kPa) qanday bo'ladi?  
A) 65 B) 130 C) 72 D) 100
- 40 l 10°C li suvga 20 l 40°C li suv aralashtirildi. Aralashmaning haroratini (°C) toping.  
A) 24 B) 22 C) 20 D) 28
- Boshqa jismlardan uzoqda joylashgan mis sharcha to'lqin uzunligi 180 nm bo'lgan elektromagnit to'lqin bilan nurlantirilganda qanday maksimal potentsialgacha (V) zaryadlanadi? Elektronning zaryadi  $-1,6 \cdot 10^{-15}$  Kl, mis uchun elektronlarning chiqish ishi 4,4 eV.  
A) 6 B) 2,8 C) 4,7 D) 2,5
- Metall o'tkazgichni qizdirsak, uning solishtirma elektr qarshiligi qanday o'zgaradi?  
A) ortadi B) o'zgarmaydi  
C) avval ortib so'ngra kamayadi D) kamayadi
- Tebranish konturidagi tok kuchining vaqt bo'yicha o'zgarish tenglamasi quyidagi ko'rinishda berilgan  $I = 0,02 \sin 400\pi t$  (A). Konturning induktivligi 1 H ga teng. Kondensator qoplamalaridagi maksimal potentsiallar farqini (V), magnit va elektr maydonlarning maksimal energiyasini (J) toping.  
A) 26;  $9 \cdot 10^{-4}$  B) 25,1;  $2 \cdot 10^{-4}$  C) 23;  $7 \cdot 10^{-4}$   
D) 24;  $3 \cdot 10^{-4}$

16. Induksiya vektorining moduli 100 mT bo'lgan bir jinsli magnit maydonning kuch chiziqlariga  $30^\circ$  burchak ostida 2 km/s tezlik bilan uchib kirgan zaryadlangan zarrachaga maydon tomonidan ta'sir etuvchi kuchni (mN) toping. Zarrachaning zaryad miqdori  $2 \mu\text{C}$  ga teng.  
A) 0,4 B) 4 C) 2 D) 0,2
17. Yashil shisha orqali qizil harflarga qaralsa, ular qanday rangda ko'rinadi?  
A) qizil B) qora C) yashil D) jigarrang
18. Kislorod atomining massasi uning yadrosi massasidan necha marta katta?  
A)  $\approx 1840$  B)  $\approx 1$  C)  $\approx 10^5$   
D)  $\approx 16 \cdot 1840$
19. Berilgan grafikdan foydalanib,  $\alpha=23^\circ$  bo'lganda jism tezligini (m/s) toping.  $\sin 23^\circ=0,39$ ;  $\cos 23^\circ=0,92$
- 
- A) 0,39 B) 0,4245 C) 2,36 D) 0,92
20. Massasi 350 kg bo'lgan chelak tekis tezlanuvchan harakat bilan quduqqa tushirilmoqda. Birinchi 10 s da u 35 m tushadi. Chelak osilgan arqonning taranglik kuchini (N) toping.  $g=9,8 \text{ m/s}^2$   
A) 3200 B) 3300 C) 3250 D) 3330
21. Ideal gazning massasi o'zgarmagani holda uning hajmi 4 marta kamaytirilib, bosimi 7 marta orttirilsa, gazning ichki energiyasi necha marta ortadi?  
A)  $7/4$  B)  $4/11$  C)  $11/4$  D)  $4/7$
22.  $27^\circ\text{C}$  da bir atomli 10 mol gazning ichki energiyasi qanday (kJ)?  
A) 37,4 B) 30,4 C) 38,4 D) 29,4
23. Radiuslari teng bo'lgan metall sharlarning biri dastlab  $+q$  ikkinchisi  $+2q$  elektr zaryadiga ega. Agar sharlar bir-biriga tekizilsa va dastlabki holatga qaytarilsa ularning ta'sirlashuv energiyasi qanday o'zgaradi?  
A) 18% ga ortadi B) 9% ga kamayadi  
C) 12,5% ga ortadi D) o'zgarmaydi

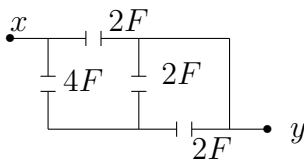
24. 220 V kuchlanishli elektr tarmoqqa ulangan elektr lampochkadan 1 A tok o'tmoqda. Shu lampochkani 110 V kuchlanishli elektr tarmoqqa ulansa, undan qancha tok kuchi (A) o'tadi?  
A) 1 B) 0,5 C) 3 D) 2
25. Berilgan inersial sanoq sistemasida jism massasining uning harakat tezligiga bog'liqligi qanday ifodalanadi?  
A)  $m = \rho V$   
B)  $m = \frac{m_0}{\sqrt{1 - \frac{v^2}{c^2}}}$   
C)  $\Delta m = \frac{\Delta E}{c^2}$   
D)  $m = \frac{2E_k}{v^2}$
26. Agar shishadan tayyorlangan qavariq linzaning fokus masofasi shu linzaning egrilik radiusiga teng bo'lsa, shishaning sindirish ko'rsatkichi nimaga teng?  
A) 2 B) 1,5 C) 1,2 D) 3
27. Osilgan prujinaga yuk 0,5 s davr bilan tebranmoqda. Agar yuk prujinadan olinsa, prujina qanchaga qisqaradi (sm)?  
A) 39,7 B) 2,0 C) 6,3 D) 5,4
28. Neft quduqdan diametri 60 mm bo'lgan quvur orqali ko'tariladi. Har soatda 9,12 t neft ko'tarilayotgan bo'lsa, neftning oqish tezligini (m/s) toping. Neftning zichligi  $800 \text{ kg/m}^3$ .  
A) 5 B) 1,12 C) 1,2 D) 1,8
29. Birinchi o'tkazgichning uzunligi 2 m, ko'ndalang kesim yuzasi  $2 \text{ mm}^2$ , ikkinchi o'tkazgichning uzunligi 4 m, ko'ndalang kesim yuzasi  $1 \text{ mm}^2$ . Bu o'tkazgichlarning qarshiliklari  $R_1$  va  $R_2$  qanday munosabatda bo'ladi?  
A)  $R_1 = R_2$  B)  $R_2 = 2R_1$  C)  $R_2 = 4R_1$   
D)  $R_1 = 4R_2$
30. Gaz boshlangich 6 l hajmdan 4 l gacha izotermik siqilgan. Bunda uning bosimi  $2 \cdot 10^5 \text{ N/m}^2$  ga ortgan. Gazning boshlang'ich bosimi ( $\text{N/m}^2$ ) qanday?  
A)  $20 \cdot 10^5$  B)  $2 \cdot 10^5$  C)  $4 \cdot 10^5$  D)  $4 \cdot 10^6$

31. 5 kg massali yuk qiya tekislikdan 20 N kuch ta'sirida ko'tarildi. Qiya tekislikning uzunligi 10 m, balandligi 3 m. Qiya tekislikning foydali ish koeffitsienti (%) nimaga teng?  
A) 90 B) 50 C) 60 D) 75

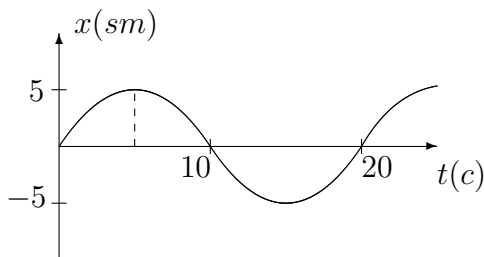
32. Massasi 5000 t bo'lgan poyezd 36 km/soat tezlik bilan harakatlanmoqda. Agar tormozlanish kuchi 0,25 MN ga teng bo'lsa, tormozlangandan keyin bir minut ichida poyezd qancha masofani (m) o'tadi?  
A) 510 B) 5000 C) 5100 D) 51

33. Marmar plitaning havodagi og'irligi 405 N. Uni suvda ushlab turish uchun qanday kuch (N) kerak? Marmarning zichligi  $2,7 \text{ g/sm}^3$ ,  $g=10 \text{ m/s}^2$   
A) 555 B) 150 C) 255 D) 405

34. Rasmdagi  $x$  va  $y$  nuqtalar orasidagi umumiy kuchlanish 40 V. Kondensatorlarda to'plangan energiyani (J) toping.



- A) 800 B) 600 C) 400 D) 3200
35. Kichik jism elastik prujina osildi va tebranish hosil qilindi. Uning tebranish qonuni chizmadagidek ko'rishishga ega bo'lsa,  $\pi/4$  fazadagi impulsini ( $\text{kg}\cdot\text{m/s}$ ) aniqlang.



- A) 50 B) 0 C) 75 D) 5
36. Solenoiddagi tok kuchi 1,5 A bo'lganda, undan 150 mWb magnit oqimi o'tsa, uning induktivligini (Hz) aniqlang.  
A) 0,3 B) 0,1 C) 0,5 D) 1

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

2. Choose the answer which correctly complete the sentence.  
Tomorrow at 6 p.m they will be out They will be ... at the party.  
A) *presenting* B) *present* C) *presents*  
D) *presented*

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

4. Choose the answer which correctly completes the sentence.  
The extent of Christina's knowledge on various complex subjects ... us.  
A) *to surprise* B) *surprises* C) *surprise*  
D) *surprising*

5. Choose the answer which correctly complete the sentence.  
We hurried to the airport, but the plane ... a few minutes ago.  
A) *take off* B) *was taken off*  
C) *has taken off* D) *took off*

6. Choose the answer which correctly completes the sentence.  
I advise you to buy a Volkswagen . . . .  
Volkswagen cars are cheap, they last a long time.  
A) *even though* B) *despite* C) *as*  
D) *because*

7. Choose the answer which correctly completes the sentence.  
This newspaper has a long ... of attacking corruption and mismanagement.  
A) *traditionally* B) *traditional* C) *tradition*  
D) *traditionalism*

8. Choose the answer which correctly completes the sentence.  
When did you ... the books back?  
A) *had to give* B) *have to give* C) *can give*  
D) *must give*
9. Choose the answer which correctly completes the sentence.  
He wanted to join the police force but they turned him ... because he was too short.  
A) *off* B) *down* C) *away* D) *up*
10. Choose the answer which correctly complete the sentence.  
If you can't start the car, why don't you try ... it with all your force?  
A) *pushing* B) *pushed* C) *push*  
D) *pushes*
11. Choose the answer which correctly completes the sentence.  
I haven't got enough cash. Can I pay ... cheque?  
A) *in* B) *by* C) *from* D) *with*
12. Choose the answer which correctly completes the sentence.  
The class got ... when the professor entered.  
A) *quiet* B) *quietly* C) *quitness*  
D) *quieting*
13. Choose the answer which correctly completes the sentence.  
Ted fell down and broke his wrist ... was a pity.  
A) *what* B) *it* C) *that* D) *which*
14. Choose the answer which correctly complete the sentence.  
I wish that the car ... faster.  
A) *went* B) *would have gone* C) *would go*  
D) *will go*
15. Choose the answer which correctly complete the sentence.  
I've got three new dresses: a red one and two black dresses. I think I'll wear ... red one.  
A) *a* B) *-* C) *the* D) *some*
16. Choose the answer which correctly completes the sentence.  
The twins were difficult to tell apart, particularly when they wore very ... clothing.  
A) *alike* B) *different* C) *similar*  
D) *the same*
17. Choose the answer which correctly completes the sentence.  
Most rocks contain several minerals, but limestone contains only one and ...  
A) *so does marble* B) *marble is so*  
C) *so marble does* D) *so is marble*
18. Choose the answer which correctly complete the sentence.  
It looks like rain. Have ... look at the sky.  
A) *-* B) *an* C) *a* D) *the*
19. Choose the answer which correctly completes the sentence.  
Nobody can always do whatever ... please in life.  
A) *you* B) *they* C) *she* D) *he*
20. Choose the answer which correctly completes the sentence.  
The beekeeper has observed ... at the approach of a thunderstorm.  
A) *become enraged the bees*  
B) *that bees become enraged*  
C) *enraging the bees* D) *bees enraging that*
21. Choose the answer which correctly completes the sentence.  
You'd better leave by the side door ... someone is watching us.  
A) *so that* B) *in order that* C) *in case*  
D) *unless*
22. Choose the answer which correctly complete the sentence.  
Today the world ... so rapidly, things never stay the same.  
A) *is changing* B) *changes* C) *has changed*  
D) *has been changing*

23. Choose the answer which correctly completes the sentence.

Stop telling us what to do. Let us ... up own mind.

- A) *to make*   B) *make*   C) *made*  
D) *making*

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

One of the smallest of all mammals is the shrew, a mouse like creature with a head and body length of only 3.8 centimetres. All shrews are small, with dense, velvety fur, long tails, and tiny eyes and ears. Shrews have been called blood-thirsty, though the label is not entirely accurate because they must eat almost constantly to stay alive. The animal is believed to have a very high metabolic rate and cannot live more than a few hours without food. In the absence of normal prey, it will turn to cannibalism to survive. The shrew, or some closely related animal, can be found on every continent except Australia. Since this tiny animal has a reputation for having a very bad temper, the adjective "shrewish" is sometimes used to describe a certain type of women.

24. The passage tells us that the shrew ...

- A) *is in the habit of eating every two hours.*  
B) *lives in dense forests.*  
C) *is similar to a mouse in appearance*  
D) *has a very short life span.*

25. The passage states that shrews ...

- A) *are the smallest living mammals.*  
B) *eat rarely but in large amounts at a time.*  
C) *eat each other when they can't find any food.*  
D) *are found in huge numbers in Australia.*

26. From what is stated in the passage, we can infer that a shrewish woman is someone who ...

- A) *has tiny eyes and ears.*  
B) *is noticeably smaller than the average.*  
C) *is very fond of velvet and fur.*  
D) *easily gets annoyed.*

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

Andrew Murphy former (27)... director of Delco Electronics, has pleaded "Not Guilty" to charges that he stole £ 5 million from the company. He claims not to know where the money went. He has suggested (28)... an accountant took the money. Investigators consider it unlikely that anyone else in the company could have committed the crime.

- 27.

- A) *managed*   B) *manage*   C) *to manage*  
D) *managing*

- 28.

- A) *who*   B) *that*   C) *where*   D) *what*

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

- 30.

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



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

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

The Yangtze river dolphin has been declared "functionally extinct". This means that although there may be some of them left, there aren't enough to repopulate the species. The reason behind this tragedy is a combination of water pollution and hydro-electric dam projects. Hydro-electric dams are harmful because they isolate groups of dolphins, creating smaller populations. This means that numbers are lower, and breeding is less likely.

Now there are fears for the future of another breed of dolphin, the Amazonian pink river dolphin. The Brazilian government are planning a hydro-electric plant in the middle of their habitat. Hunting also threatens the animals. They're still widespread compared to other species, but there is a sharp decline in numbers - roughly 10% per year. "The number is worrying", said Vera da Silva, a biologist at the National Institute of Amazonian Research.

32. What is the text about?
- A) *The danger of two breeds of dolphins disappearing.*  
 B) *The danger of hunting for the Brazilian population.*  
 C) *The breeding of small river dolphins.*  
 D) *Hydro-electric dam projects on the Yangtze river.*

33. What does the number 10 in the text refer to?
- A) *The percentage of living Yangtze river dolphins.*  
 B) *Groups of biologist who are trying to repopulate dolphins.*  
 C) *Governmental organizations which fight the pollution of rivers.*  
 D) *The percentage of Amazonian dolphins which die out every year.*

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

The Great Pyramid of Giza, a monument of wisdom and prophecy, was built as a tomb for Pharaoh Cheops in 2720 B.C. Despite its antiquity, certain aspects of its construction make it one of the truly great wonders of the world. The four sides of the pyramid are aligned almost exactly on true north, south, east, and west - an incredible engineering feat. The ancient Egyptians were sun worshippers and great astronomers, so computations for the Great Pyramid were based on astronomical observations.

Explorations and detailed examinations of the base of the structure reveal many intersecting lines. Further scientific study indicates that these represent a type of time line of events past, present, and future. Many of the events have been interpreted and found to coincide with known facts of the past.

Others are prophesied for future generations and presently are under investigation.

Was this superstructure made by ordinary beings, or one built by a race superior to any known today?

34. What did the ancient Egyptians base on their calculations?
- A) *knowledge of the earth's surface*  
 B) *advanced tools of measurement*  
 C) *advanced technology*  
 D) *observation of the celestial bodies*
35. Why was the Great Pyramid constructed?
- A) *as a solar observatory*  
 B) *as a religious temple*  
 C) *as an engineering feat*  
 D) *as a tomb for the pharaoh*

36. Why is the Great Pyramid of Giza considered one of the Seven Wonders of the World?

- A) *it is perfectly aligned to the four cardinal points of the compass and contains many prophesies*
- B) *it was built by a super race*
- C) *it is very old*
- D) *it was selected as the tomb of Pharaoh Cheops*