

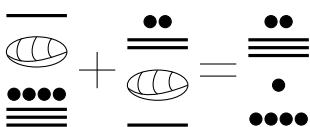
Ushbu test varianti 30ta test topshirig'idan iborat.

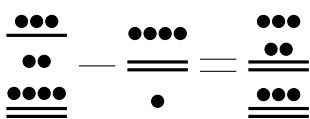
Kitobda yopiq va ochiq turdagi test topshiriqlari mavjud.

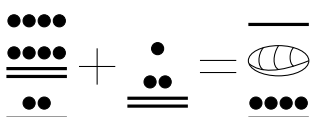
Yopiq turdagi test topshiriqlarida berilgan to'rtta javobdan bitta javobni tanlash va javoblar varaqasida tanlangan javobga mos bo'lgan xarfni (A, B, C yoki D) topshiriq raqamiga mos qatorga yozish kerak.

Ochiq turdagi test topshiriqlarida javobingizni javoblar varaqasidagi topshiriq raqamiga mos qatorga to'liq va aniq tarzda yozish kerak.

1. Mayya sanoq sistemasida berilgan tengliklarning qaysilari to'g'ri?

1) 

2) 

3) 

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

2. Agar $[2111_3; 4A_{15}]$ sonlar kesmasidagi barcha butun sonlarning yig'indisi 334_n ga teng bo'lsa, n ning musbat qiymatini aniqlang.

A) 10 B) 7 C) 9 D) 8

3. Internetdan 600 MB hajmli faylni 10 %ini 1 MB/s tezlik bilan, 60 %ini 2 MB/s tezlik bilan va 30 % esa 3 MB/s tezlik bilan yuklab olingan bo'lsa, faylni yuklash uchun necha daqiqa sarflanganini aniqlang.

A) 4 B) 6 C) 7 D) 5

4. Sezar usuli bilan kodlangan **wepsq** matn quyidagi berilgan jadval kataklari (1,1), (2,9), (3,4), (2,3), (1,3) ketma-ketligidagi so'zga mos keladi.

	1	2	3	4	5	6	7	8	9
1	s	i	m	m	e	t	r	i	k
2		y	o	p	i	q		k	a
3	l	i	t	l	a	r		u	s
4	u	l	i						

Alifbo nechta belgiga surilganini aniqlab, shunga asosan quyidagi matn asl holatiga qaytaring.

oevhers xvejevixm

(Lotin harflari: abcdefghijklmnopqrstuvwxyz)

- A) kardano texnikasi B) kardano shifrlash
C) kardano simmetrik D) kardano trafareti

5. Quyidagilarning mosini tanlang.

1) mikrosxema; 2) magnitlanuvchi qatlam;
a) HDD; b) RAM; c) flash xotira; d) DVD disk;
e) disket; f) ROM; g) CD disk

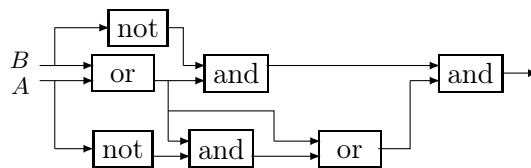
A) 1-b, d, f; 2-a, e B) 1-e, f; 2-a, f
C) 1-b, c, f; 2-a, e D) 1-c, f, g; 2-a, b

6. Agar $p \wedge q = 1$ va $\neg p \vee r = 0$ bo'lsa, quyidagi ifodalarning qaysilari o'rinli (\neg - inkor)?

1) $\neg(p \wedge q) \vee r = 1$;
2) $(p \wedge r) \wedge (q \vee r) = 0$;
3) $\neg((p \wedge q) \wedge r) \vee r = 0$

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

7. Quyidagi mantiqiy sxemaning qiymati A va B ning nechta holatida nol bo'ladi?



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

8. Agar $p \wedge q = 1$ bo'lsa, mantiqiy ifodaning qiymatini aniqlang (\neg - inkor).

$(p \wedge \neg q) \vee ((\neg p \vee \neg q) \wedge (\neg p \wedge (\neg p \vee \neg q)))$

A) q B) p C) 1 D) 0

9. Ali kompyuterning IP manzilini qog'ozga yozdi. Ukasi Vali esa uni to'rt bo'lakka quyidagi ko'rinishda bo'lib qo'ydi.

36.4	101.	3.2	11
a	b	c	d

Aliga IP manzilini tiklashga yordam bering.

A) dbac B) bdca C) cdab D) abcd

10. Quyidagilarning qaysilari dasturlash tillari hisoblanadi?

1) C; 2) Doppix; 3) C++; 4) Visual Basic;
5) CP/M; 6) Far manager; 7) Windows 1.0

A) 3, 4, 5 B) 3, 6, 7 C) 1, 2, 7 D) 1, 3, 4

11. MS Excel. Agar $A1 = -505$, $A2 = A1 + 4$ va $A2$ katakchadagi formula $A200$ katakchagacha nusxalansa, qiymati musbat songa teng bo'lgan dastlabki katakchaning manzilini aniqlang.

A) A128 B) A127 C) A130 D) A129

12. MS Excel. Agar $A1=ОСТАТ(-61;8)$, $A3=A2-1$, $A2=ЦЕЛОЕ(-22/7)$, $B1=СРЗНАЧ(A1:A3)$, $B2=СЧЁТЕСЛИ(A1:A3;"<>3")$, $B3=СУММПРОИЗВ(A1:A2;B1:B2)$ bo'lsa, $=СЧЁТЕСЛИ(A1:B3;">0") * СЧЁТЕСЛИ(A1:B3;"<0")$ formulaning natijasini aniqlang.

- A) 4 B) 8 C) 6 D) 10

13. Quyidagi fayl formatlarining nechtasi grafik format hisoblanadi?

- 1) wav; 2) png; 3) raw; 4) dll; 5) bmp; 6) rtf; 7) tiff; 8) rar; 9) gif; 10) jpeg; 11) pas; 12) pex
A) 7 B) 5 C) 8 D) 6

14. HTML kodining bir qismi berilgan:

```
<html>
<body>
x<sub>1</sub><sup>2</sup>+
x<sub>2</sub><sup>2</sup>&gt;0
</body>
</html>
```

Web brouzerda qanday natija hosil bo'lishini aniqlang.

- A) $x_2^2 + x_1^2 < 0$ B) $x_1^2 + x_2^2 > 0$
C) $x_1^2 + x_2^2 > 0$ D) $x_1^2 + x_2^2 \geq 0$

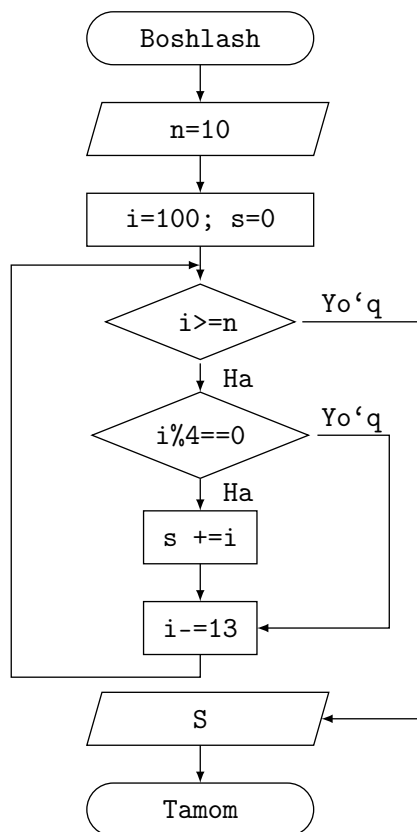
15. HTML kodining bir qismi berilgan:

```
<table border>
<tr><td><h1>12</h1>
</td><BR><td><h3>18</h3>
</td><STRONG><td><h6>7</h6>
</td></tr><EM><tr><td><h4>4</h4>
</td></STRONG><td><h2>10</h2>
</td><td><h5>6</h5>
</td></tr><tr></EM><td>
<SUP><h5>16</h5></SUP>
</td><td><h6>14</h6>
</td><td><h1>-3<h1></td></tr>
</table>
```

MS Word dasturidagi kabi shrift o'lchami 10 ga teng bo'lgan jadvaldagi sonlar yig'indisini aniqlang.

- A) 21 B) 19 C) 22 D) 18

16. Algoritmning natijasini aniqlang.



- A) 100 B) 48 C) 148 D) 108

17. Python. Quyidagi dastur natijasini aniqlang.

```
n = 123
s = 0
i = 118
while i < n:
    x = i%10
    y = ((i//10)%10)
    z = ((i//10)//10)
    s += x+y+z
    i += 2
print(s)
```

- A) 16 B) 22 C) 20 D) 18

18. Python. Quyidagi dastur natijasini aniqlang.

```
for i in range(1,6):
    k = (42%i)+(42//i)
    k +=k
print(k)
```

- A) 26 B) 20 C) 21 D) 24

19. Python. Quyidagi dastur natijasini aniqlang.

```
def hisobla(n1,n2):
    s = 1
    for i in range(n1,n2):
        if (i%3==0) and (i%9==0):
            s *=i
    print(s)
```

```
hisobla(2,19)
```

- A) 90 B) 162 C) 216 D) 108

20. Python. Dastur natijasi 39 chiqishi uchun noma'lum x ning qiymatini aniqlang.

```
n = [x,4,5,6,9,8]
s = 0
for i in n:
    if (i%3==0) or (i%2==0):
        s += i
print(s)
```

A) 10 B) 12 C) 9 D) 5

21. O'lchami 1024×384 bo'lgan ekranning axborot hajmi 384 KB bo'lsa, 1 piksel uchun kod uzunligi aniqlang.

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

22. 10 MB hajmli faylni arxivlagach 30 % ga kamaydi. Arxivlangan faylni uzatish uchun 14 sekund vaqt sarflangan bo'lsa, uzatish tezligini aniqlang.

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

23. Tenglamani yeching: $3, (2)_5 + x_7 = 8, (3)_{10}$

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

24. $\neg(A \vee B) \wedge C$ mantiqiy ifodaning rostlik jadvali tuzilganda, qiymatining necha foizi rost bo'ladi (\neg - inkor)?

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

25. Quyidagi mantiqiy ifodani o'nlik sanoq sistemasida hisoblang.
(14 or 18) and (16 or 11)

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

26. Quyidagi jadvalda noma'lum mantiqiy ifodaning rostlik jadvali tuzilgan. Noma'lum mantiqiy ifodani aniqlang (\neg - inkor).

A	B	$\neg A$	$\neg B$?
1	1	0	0	0
1	0	0	1	1
0	1	1	0	1
0	0	1	1	1

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

27. MS Excel. =ПСТР(A1;15;НАЙТИ("D";A1)) formulaning natijasi aniqlang.

A	
1	Diplom_raqami_№_123456

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

28. MS Excel. Agar $A2 = \text{ЦЕЛОЕ}(\text{СТЕПЕНЬ}(5;2)/6)$, $B2 = A2 + \text{ЦЕЛОЕ}(\text{СЛЧИС}())$, $ABS(A1) - \text{ЦЕЛОЕ}(\text{ОКРУГЛ}(2,5125;1))$ * $B1 = \text{ОСТАТ}(-57;4)$, $\text{КОРЕНЬ}(A1) - B1 = B2/2$ bo'lsa, A1 va B1 katakchalarning qiymatini aniqlang.

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

29. Python. Quyidagi dastur natijasini aniqlang.

```
i = 10
while i <= 29:
    x = i // 10
    y = i - x * 10
    i += 3
s = x + y
print(s)
```

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.

30. Python. Quyidagi dastur natijasini aniqlang.

```
def amal(x,y):
    s = 0
    for i in range(x,y):
        if (i > 0) and (i % 2 == 1):
            s += i
    print(s)
amal(-3,8)
```

Javob: _____

Diqqat! Javobingizni javoblar varaqasiga ko'chirib yozing.