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DSO

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Sec: B

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#### Ans. to the Question-No-1

8 Amithylatic operation, 4 logical operation

Ans. to the austion - No-2

expected form of x and y is given below:

Cin	openation	2	y
- C/n	Atil	A	B-
V		<b>A</b>	^
1	A+D+1	A	B

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## Ans. to the Question - No-4

Then after the anithmachic operation Cont = 1

6) 
$$F = A - B$$
  
 $= A + B + 1$   
 $= A + 2^{h} - 1/-B + 1 \ge 2^{h}$   
 $= A - B \ge 2^{n}$ 

# Aus. to the Question-No-15

I register is needed

Ans. to the Russian-No-6

Excitation table of Jk Alip-Alop is given below:

Outputs		Inputs		
- Rn	Qn+a O	0	×	
0	1	1	×	
	0	×	7	
1	1	×	D	

#### Ans. to the Russfion-No-7

Expected combinational Circuit:

For clear: J-k=0,1

JA: = D

- kAi=P2

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### Mrs. to the austion-No-8

Current A;	B;	BO;	Next A;	BO i+1	JA;	kA;
0	0	0	۵	0	ъ	*
0	0	7	1	1	٦	Х
D	1	D	1	1	۲	Х
D	1	1	0	1	<i>b</i>	X
1	٥	0	1	0	×	D
1	D	۵ ،	Ó	٥	Х.	1
1	1	٥	Ь	D	×	1
	1	1	1	7	×	D
A.	B; Bo; 01	11 10				

