Quiz-02

tomo will it was

Nome: Morroar Mofiz Arman

ID: 1921079642

Course: CSE231L

Section: 10

Date: 22-05-2021.

host segment of the

cong in lamil

) the bedraine!

with the little

hid with him o

- Ja han alla lan

Am to the QNO:01

(1) 7

Anto the QNO:02

(3) 14.

Ans to the BNO:03

P	
Combinational circuit	Sequential Circuit.
(1) Combinational	(1) In sequential
circuits no memory	circuits memory
element is present.	1
(2) The behavior of	(2) The behavior of
Combinational circuit	described by the set
is described by the	of next state forctions
functions.	and the set of output
	farctions,

(3) Its operation on be (3). Its operation can be described by study table described by bruth and timing diagram. Lible. (4) Sequential circuits (4) Combinational circuit are cheaper. are more enpensive, (5) Due to the memosy (5), Combinational circuits elements the speed are fater in speed. of the sequential circuit is slow. asterni sylati Input clate signifi of meet charge the respect

Flip Flop	Latch.
(1) Flip-Flop is a bistable device and there are two stable states which are represented as 0 and 1.	(1) Latch is also a bistable device and the state of the latch is represented as 0 and 1.
(2) Flip-flop is sensitive to the clock signals and with those is a charge in the input clock signal, it never changes the output.	(2) Latch is remittive to the input and as Joyd as it is 'On', we can transmit the data.

(3) Flip Flop is zyrchronon because Plip flop works on the basis of the clock signal	because latch is asynchronous because latch desnot work on the basis of the time signal.
(4) Morre power is	(4) Less pomer is
consumed by the	consumed by the
Plip-flop.	Itches,
(5). Flip-Flop are slow	(5) Latches are fort
as compared to the	as compared to the
latches.	flip-flop.

1984880+ ABC+ BCD

And In the QNO:05

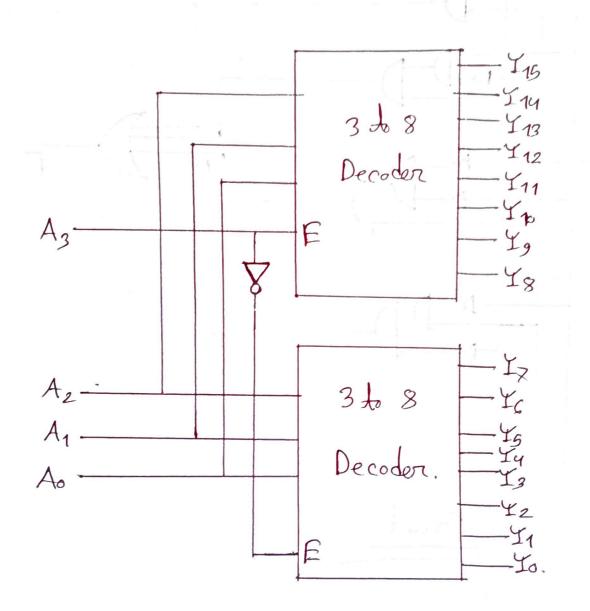


Figure: 4 to 16 line decoder wing 3 to 8 line decoder.

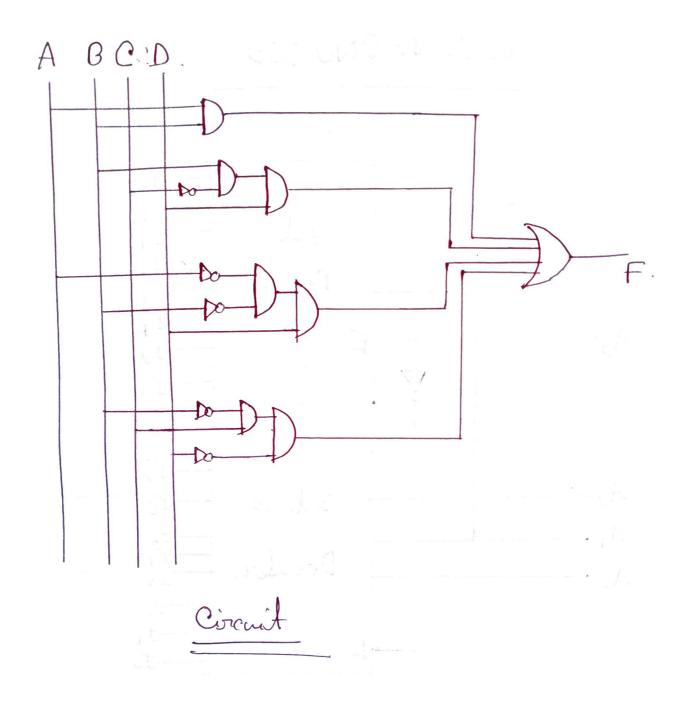
Am & the ano: 06

F(A,B,C,D)=(2,3,5,10,12,13,19,15)

AB	00	01	. 11	70 1
00	0	10	3	17
01	4	5 1	7	6
11	12 1	13 1	15.	101
10	8	9	11	10 1
	9-11	-90%		

F= AB+BODE +

F = AB+BCD+ABC+BCD



Wire school and DI AP : want