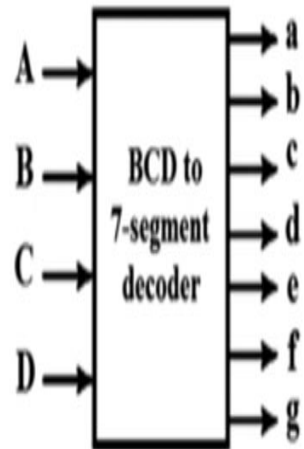


DAILY ASSESSMENT FORMAT

Date:	27-5-2020	Name:	Bhavana.B
Course:	Logic Design	USN:	4AL18EC009
Topic:	1.Boolean equations for digital circuits. Combinational circuits: Conversion of MUX and Decoders to logic gates. 2.design of 7 segment decoder with common anode display	Semester & Section:	4th sem A section
Github Repository :	Bhavana-b		

FORENOON SESSION DETAILS
Image of session

BCD to 7-segment decoder



A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	1	1	1	1	1	1	0
0	0	0	1	0	1	1	0	0	0	0
0	0	1	0	1	1	0	1	1	0	1
0	0	1	1	1	1	1	1	0	0	1
0	1	0	0	0	1	1	0	0	1	1
0	1	0	1	1	0	1	1	0	1	1
0	1	1	0	1	0	1	1	1	1	1
0	1	1	1	1	1	1	0	0	0	0
1	0	0	0	1	1	1	1	1	1	1
1	0	0	1	1	1	1	1	0	1	1

Report:

Logic design

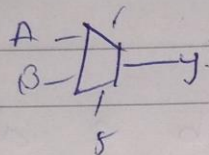
* Boolean Eqn for digital circuit combinational circuit conversion of mux & decoder gate.

Mux to logic gate.

* NAND, NOR: universal gate.

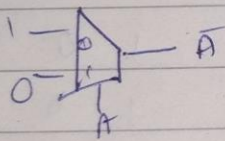
* Mux & Decoder are called universal gate.

MUX



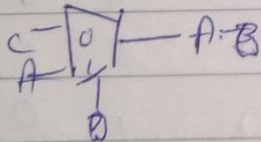
$$Y = S \cdot A + \bar{S} \cdot B$$

Inverters



$$Y = 1 \cdot \bar{A} + 0 \cdot A = \bar{A}$$

AND gate.

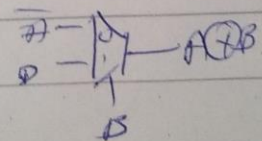
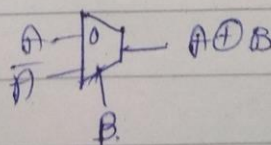
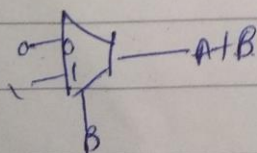


$$Y = 0 \cdot R + A \cdot B = A \cdot B$$

OR gate.

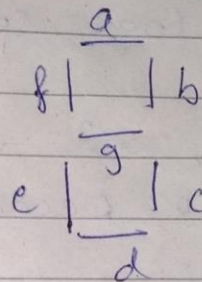
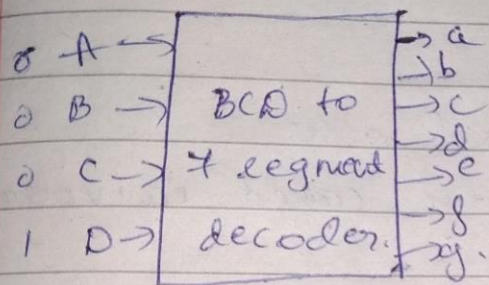
EX-OR

EX - NOR



Design of 7 segment decoder with common anode display

BCD to 7-segment decoder.



A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	1	1	1	1	1	1	0
0	0	0	1	0	1	1		0	0	0
0	0	1	0	1	1	0		1	1	0
0	0	1	1	1	1	1		1	0	0
0	1	0	0	0	1	1		1	0	1
0	1	0	1	1	0	1		1	0	1
0	1	1	0	1	0	1		1	1	1
0	1	1	1	1	1	1		0	0	0
1	0	0	0	1	1	1		1	1	1
1	0	0	1	1	1	1		1	0	1

Date:	27-5-2020	Name:	Bhavana.B
Course:	Python	USN:	4al18ec009
Topic:	1.Application 5: Build a Desktop Database Application	Semester & Section:	4th sem A section

AFTERNOON SESSION DETAILS

Image of session

Report:

Section :- 23.

Applications 5

- + Desktop Database app
- + learn user Interface Design
- + frontend interface
- + Backend
- + connecting the frontend to backend
- + learn how to fixing the Bug
- + Creating a standard executable version of the program.

