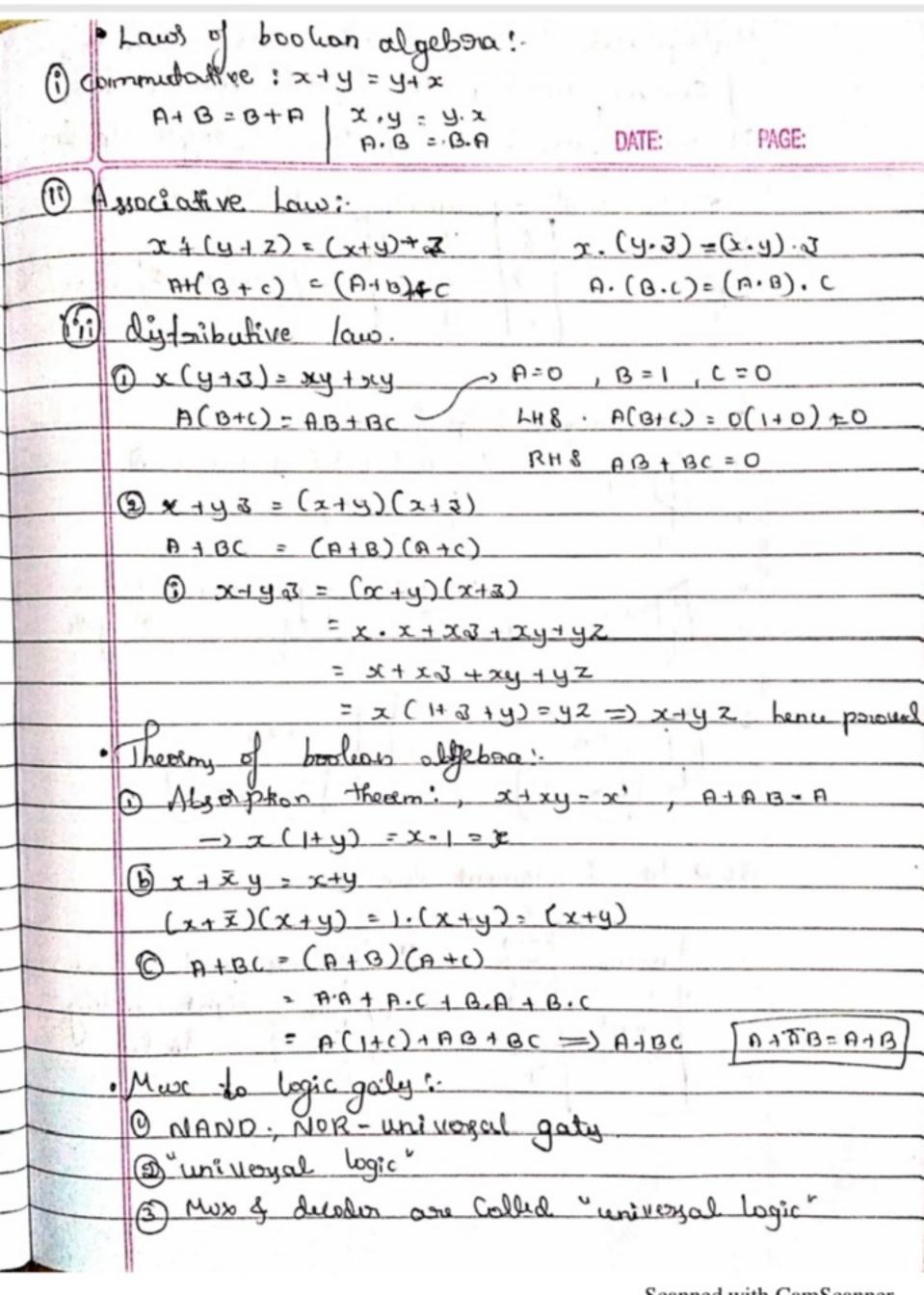
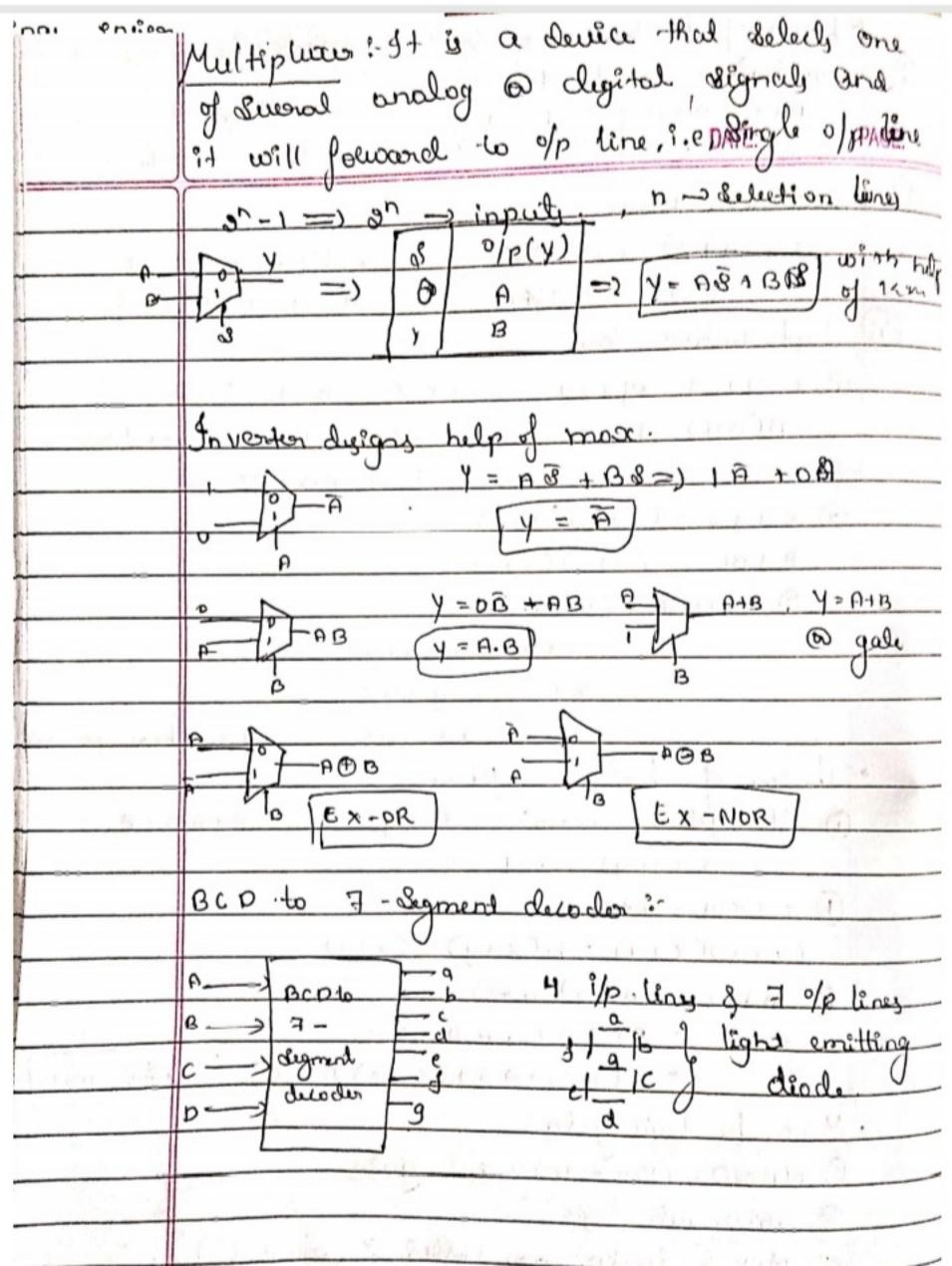
· Logic designs-(Boolean elgebona: -> cost of the circuit -> Simple Frealization of a concuet "In 1854, George book developed an algebra Bytem i called boolean algebra -> Birolean algebra is a skystem of mathematical -> It is dyined with set of clementy, a set of operately, and a no. of arions @ postulaty - Set of element- (0.1) -> Two binary operators - OR and AND (.)@n @ '1' & (U) & (V)(+) -> Ugnony aporates - Not @ (invent) · Ariong and laws of boolean algeborain -) Axioms @ postulaty of boolean algebra vore logical expressions upon which we can build "AND operation "OR operation"

	Scanned with Camscanner
->	0.0 = 0 9 AND operation -> 0+1 = 1 0R 1.0 = 0 9 AND operation -> 0+1 = 1 0 operation
>	0. 1 = 0 (AND operation -> O+1=1 (OR
	-> 1+0 = 1 operation -> 1+1 = DATE: PAGE:
	-> (+1 = DATE: PAGE:
	-> 50 x 0' = 1
	→ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬
	Difference 6/w booken algebra, orbinary
	algebra and binary number System.
	Jaboolean algebora
	A+A=A $A+A=A$
	1+1=A=1 & 1.1=1
	An ordenay algebora
	A+A= AA A. A= AB
2	1+1 = 3 1.1 = 1
	->In binary number system.
Ir Unio	1+1 = (10) 1.1=1
ule	the same of the sa
	Axions @ postulates
	$\Rightarrow x+0=x \qquad x\cdot 0=0$
9. 7	-> x+1=1 X.(=x
	-> x+1=x
	→ メ+x=1
	$\rightarrow \overline{(\overline{x})} \otimes (x')' = x$
100 1000 10	Denkty element operation AND operation
additiv	e identity = 0 = $x+0=x$ $x=1=x=1=x$
	outive identity=1
	A DE MANY AND THE REAL PROPERTY OF THE PARTY
	x+0=x
	0 4 x = x





```
Python &
Application 5: build a dyktop database application.
@ Deg Ktop dolabase App-How the ofp will book like
- How to build a program which is used offer the
  information of books
 -> user interface degign.
       - build a graphical use in interfere
 -> floorted intestale
      we use guid method make things easier
   1. Jean trinter impal.
   3. window TK(1
  4th window -r
   5. window main loop ()
  1. = tobel (window, text ; Title')
  1. = grid (51000 = 0, co (worn = 0)
   Copy to more more of column indicating
    "Title", "author", "yeon", "18BW"
 title - text - storing vanes
 e, = entory (window, tous vaniable = title - tous)
 (1 = grid (0,000=0, column=1)
 this should be applied for authors, your, IBBN to get
a now & column toble.
-s Backend: we got to know to bush table @ exist
   book.
-> converting the bordend to the backend.
-> fixing the buy.
-> creating a standardone executable veryion
    berodean
```