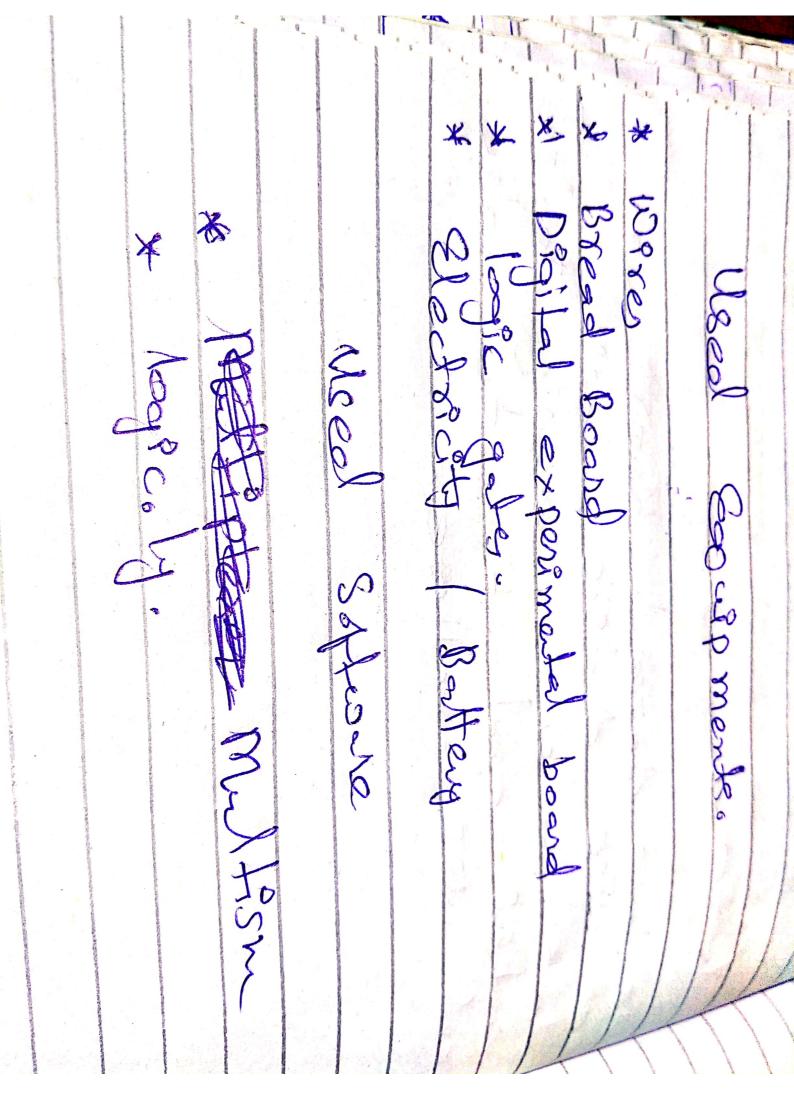
LAB - Manual 9

Objectives.

=) To objective of this lab is
to understand how to make
different multiplexes and
De-Multiplexes can be
obtained and used by wing
different togic gate.



Multiplexer multi plexes device mul liple spagle line lines determines is connected XIZ Xn G1 60 Types

4×1

8×1

// Mux Mux Mux

## YX1 Mux 1x1 mux has far date inputs. Is Is II and Io, Two selection lines Si and So and one onlast V LxP 13 ID multiplexer IL

 $4 \times 1$ Myr Dragram Y = 81 Soto + SI SOTI + SISO I + SISOTS

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PERMANENTER TOTAL	Mark Service Control of the Control	ACCORDING CONTRACTOR C					

De-Mux is in contrast to multiplexer bunction. It takes information tem one line and distributes 9t to 9 given number of It is also called Data Distributor It has single input n, Select ling, and maximum
of 8th onlyte. The imput will be connected to one of lese outply based on Ho selection lines volues also known as De-Mux