Absingnent 1

its types?

with the structure and behaviour of

Types of ore

- a) Non-neumann Anchitecture
 - b) Hanvand Anchitecture

AMS; Von- Neumann Anchitecture Harvard Architecture - twee.

- a) Single momory will be seperate memories are should by both data wild hydata and program program.
 - b) Two sets of clock single set of clock

 cycle required cycle required

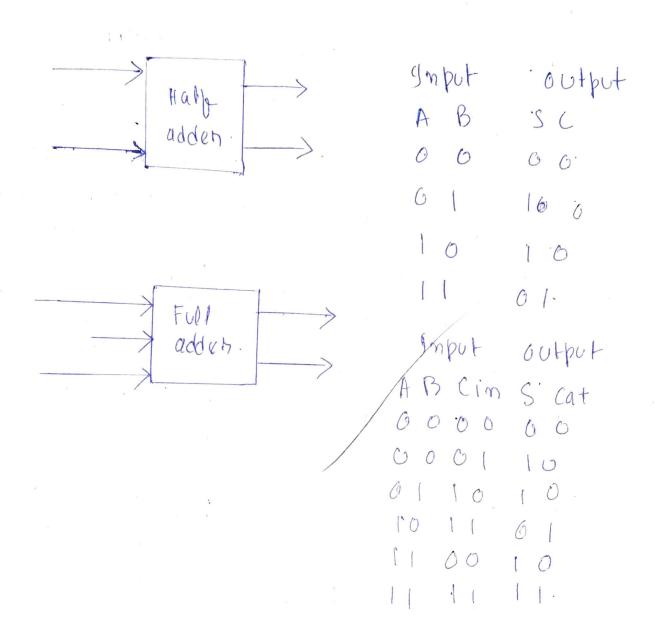
 Cycle required

 Pipe tening in not pipe ten lining is

 possible possible.
 - d) Simple in design complex in design
 - e) Regionar less space Regioner more space.

3 Enplain half adder and bull adder acith an neat diagram 7.

Hally adden is a comformational circuted designed to add two single lit numbers of consits of 2 imputs and 2 outputs (sum and carry).



8: What is K-map? Simplify F (ABCD). Em (13, 7, 11, 15) + \(\int d\)(6, 2,5)

The map is a method which provides a rimple straight, This method is a pictorial arrangement of the truth table which allows an early in terpretation for choosing the minimum number of terms needed to express function algebrically.

Y= CD = AB + AD = A(B+BD)+CD

= D(c+A)+AB

chapter 2 Digital Integrated Educates

5) Define: a) Bidirectional Register.

b) multiplener.

c) Demiltiplener

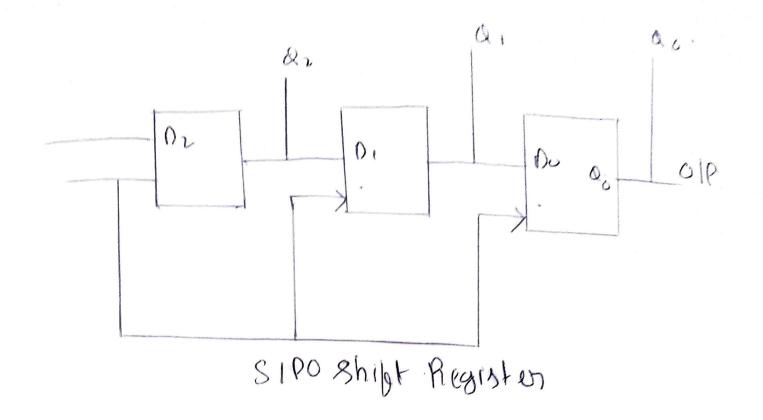
d) Encoder

e) Decodes.

-> a Bidirectronal Register: There are the register which are capable of shifting the data either right on left defending on the mode selected. If mode =1, data will be shifted towards right and i'll mode =0, data will be shift towards right towards left derection.

a) Scrial in Parallel out

The register is loaded with sorial data, one hit at a time the stored data time to being available in paralle 1907m.



b) Serval in sirial out

The data is shifted or loaded revially in and out of the register or one hit at a time

