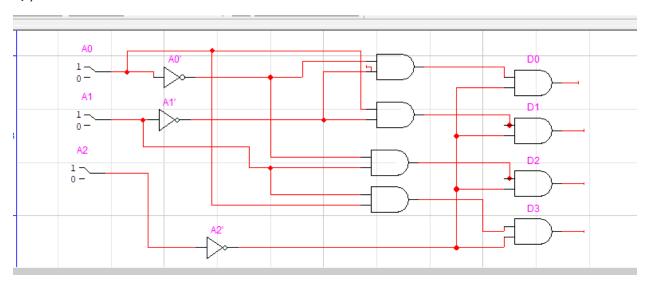
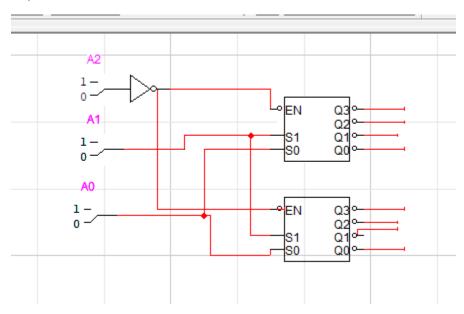
Q1,

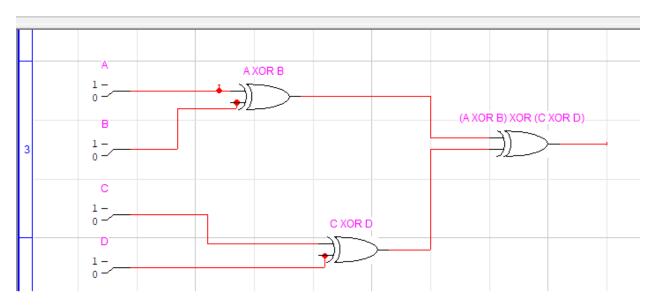


Q2,

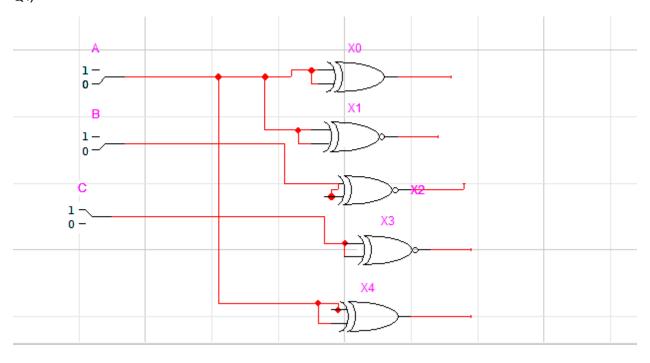


Q3,

20L-0921 Aisha Muhammad Nawaz Section 2E2 DLD LAB 07 BSCS



Q4,



Aisha Muhammad Nawaz Name: RON # 201-0921 Section BSCS 2E2 DZD CAB MANUAL 07

Question 1

274 decoder with a low enable

truth table

A	A	- A	DO PO	P,	Pa	D3
Ö	O	0	() T	0	0	0
10	(A	0	O		0	0
1	10		O	0	ι	0
1	1	Or	0	0	0	1

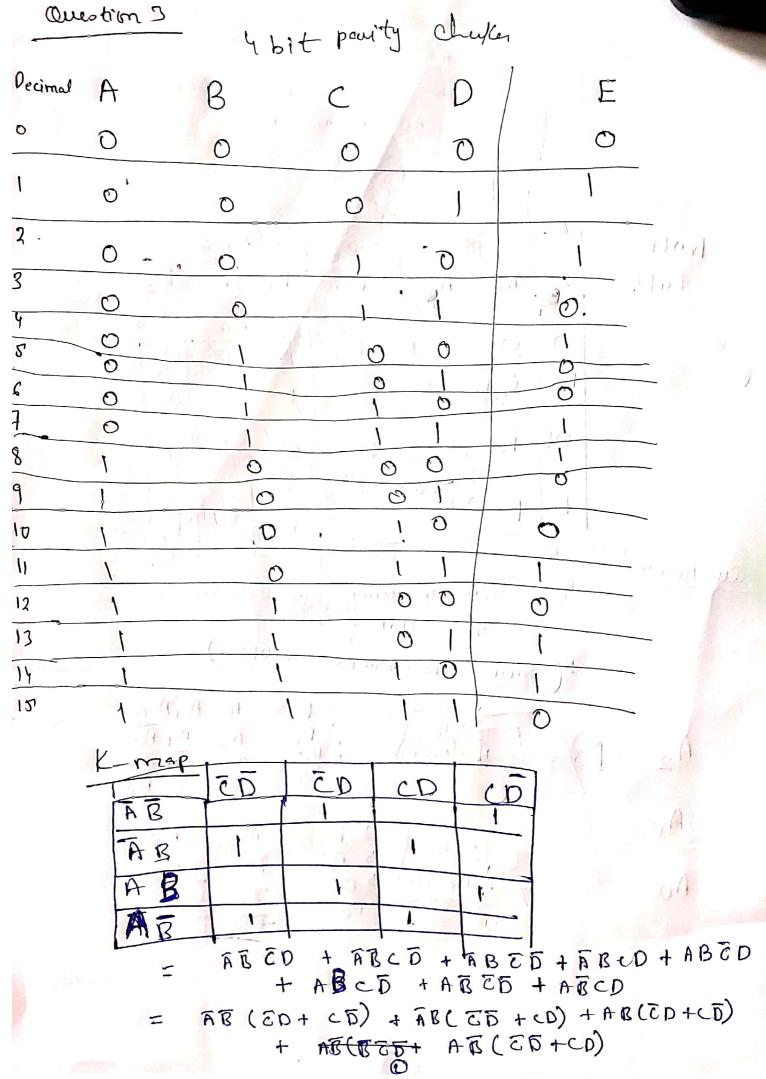
Question 2

3x8 decoder using two 2x4 decoders

and NOT gate * (DONE ON LOGIC WORKS)

Educada

A2 AIAO A2 AI AO



AB(CDD) + AB(CDD) + AB(CDD) + AB(CDD) (CDD)(AB + AB) + (CDD) (AB + AB) (COD) (AOB) + (COD) (AOB) (ADB) D (CDD) Questron 4 X 2 XJ B No X A 0 0 0 0 0 0 \odot 0 O 0 1 0 0 O \mathcal{O} 0 0 0 1 \mathcal{O} 0 1 0 1 0 \circ 1 0 1 1 0 1 ABCD + ABC + ABC + ABC A(BC+BC) + A(BC+BE) A(BEC) + A (BEC) 81 = ABC + ABC + THE -ABE + ABC ACBC+BC) +ACCC+C) B(AC+AC) + BCAC+AC) B(ADC) + B(ADC) = B

A BC + A BC + ABC + ABC = (CAB HAB) + C CAB HAB) = c CABB) I+ CCABB) II C) (1143) 14 (110)