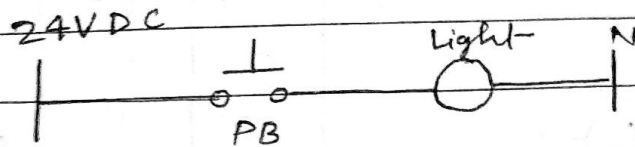


BADRI VISHAL PANDEY

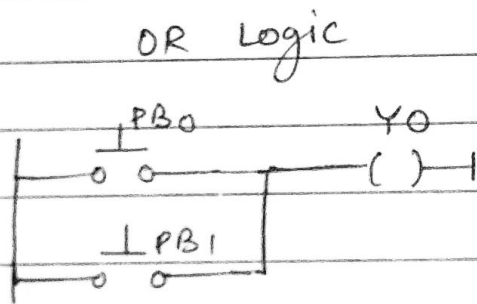
Date: 6/6/21

Questions Based on NO-NC

Question (1):



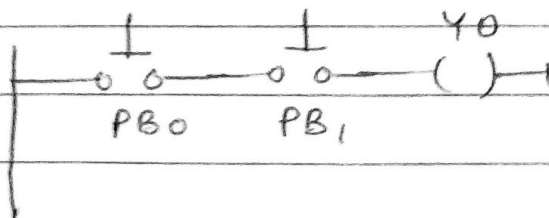
Question (2): -



Truth
OR Table

| PB1 | PB0 | YO |
|-----|-----|----|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

AND Logic



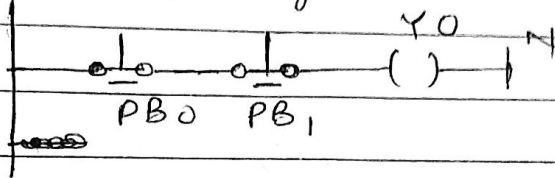
AND Truth Table

| PB1 | PB0 | YO |
|-----|-----|----|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

NOR Logic



24VDC NOR Logic

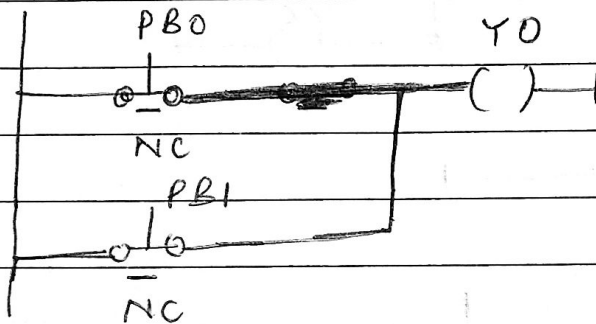


NOR Truth Table

| PB1 | PB0 | Y0 |
|-----|-----|----|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

NAND Logic

24VDC

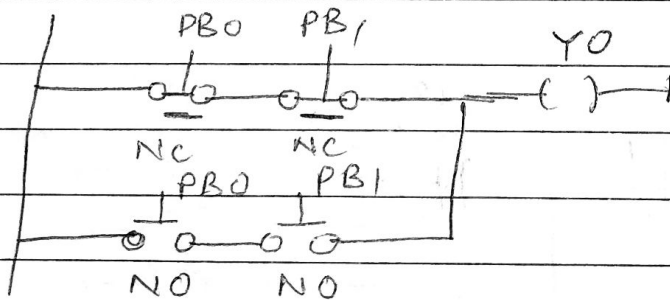


NAND Truth Table

| PB1 | PB0 | Y0 |
|-----|-----|----|
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

Ex-OR Logic

24VDC

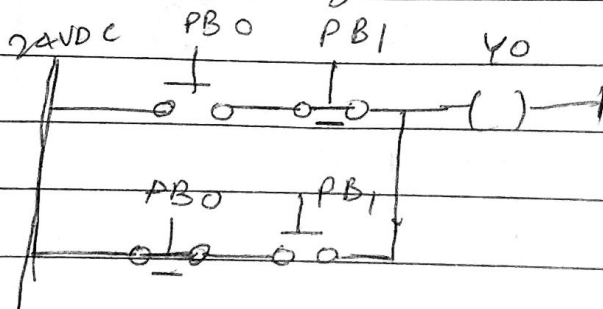


Ex OR Truth Table

| PB1 | PB0 | Y0 |
|-----|-----|----|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

Ex NOR Logic

24VDC

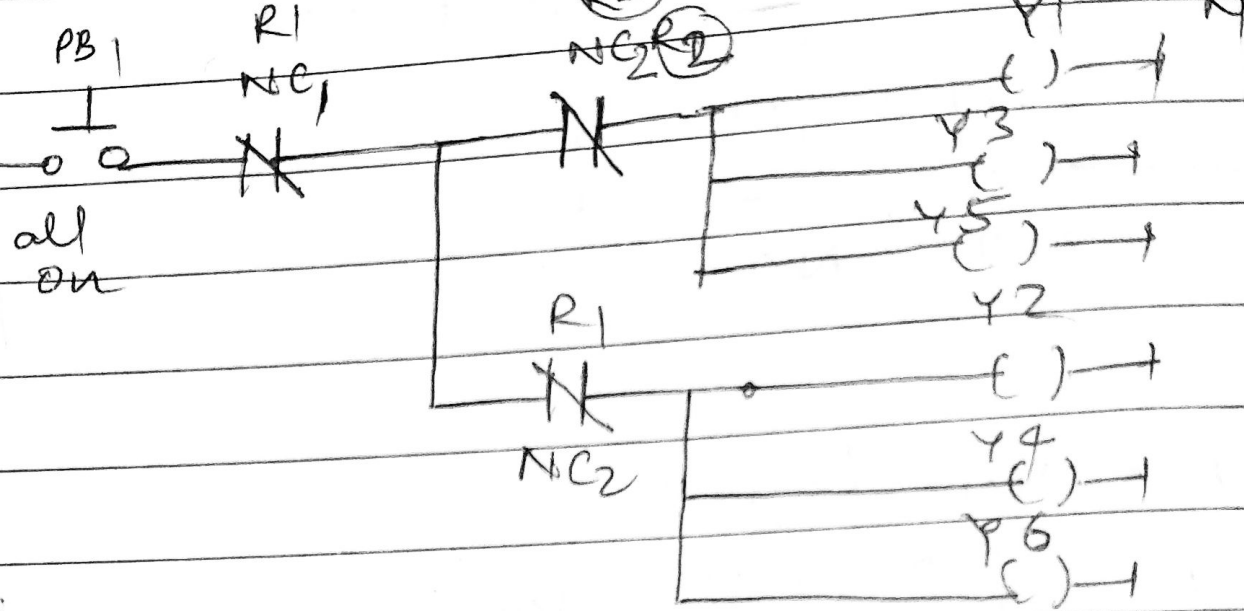


Ex NOR Truth Table

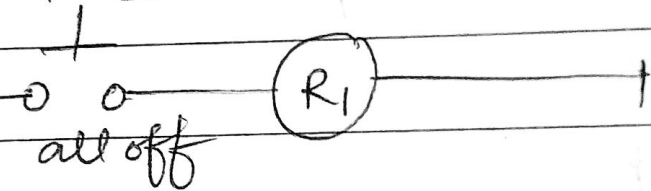
| PB1 | PB0 | Y0 |
|-----|-----|----|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

24VDC

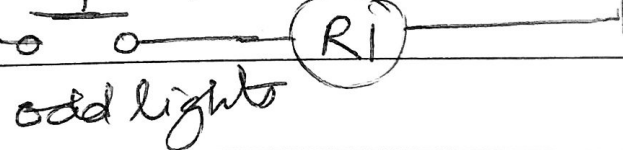
Lights



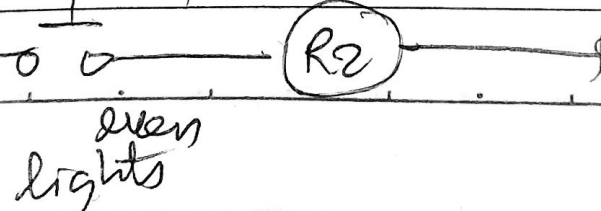
PB2



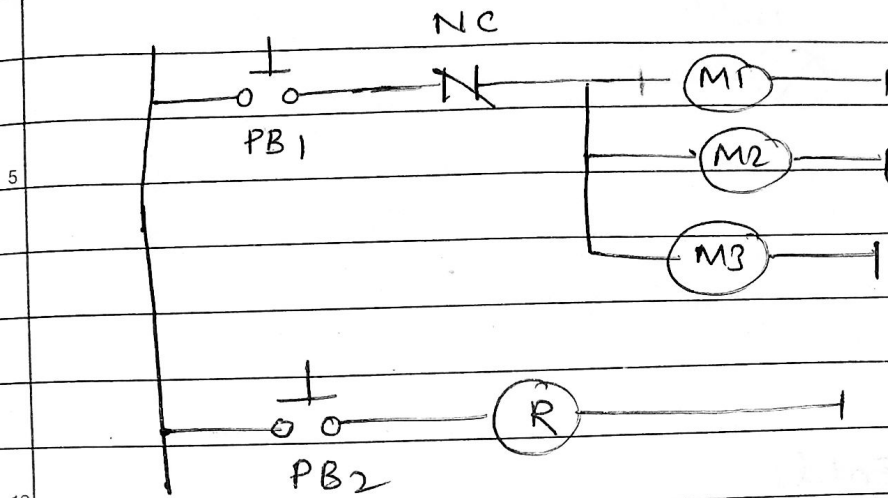
PB3



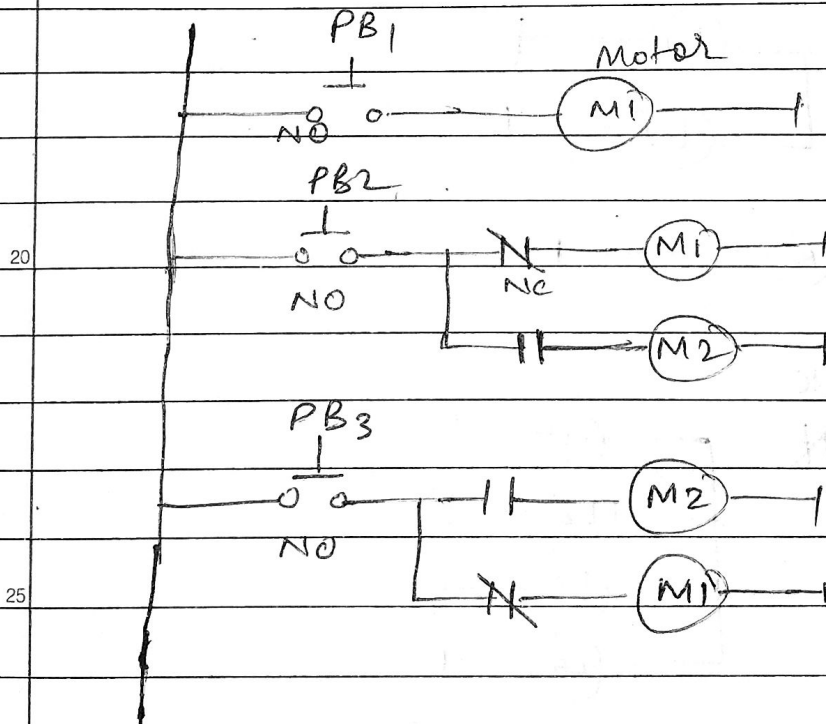
PB4



Ques (5) :-

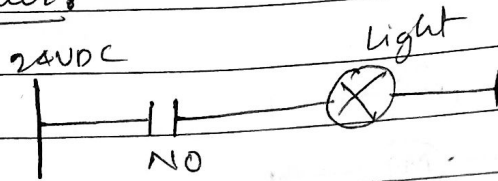


Question (6) :-



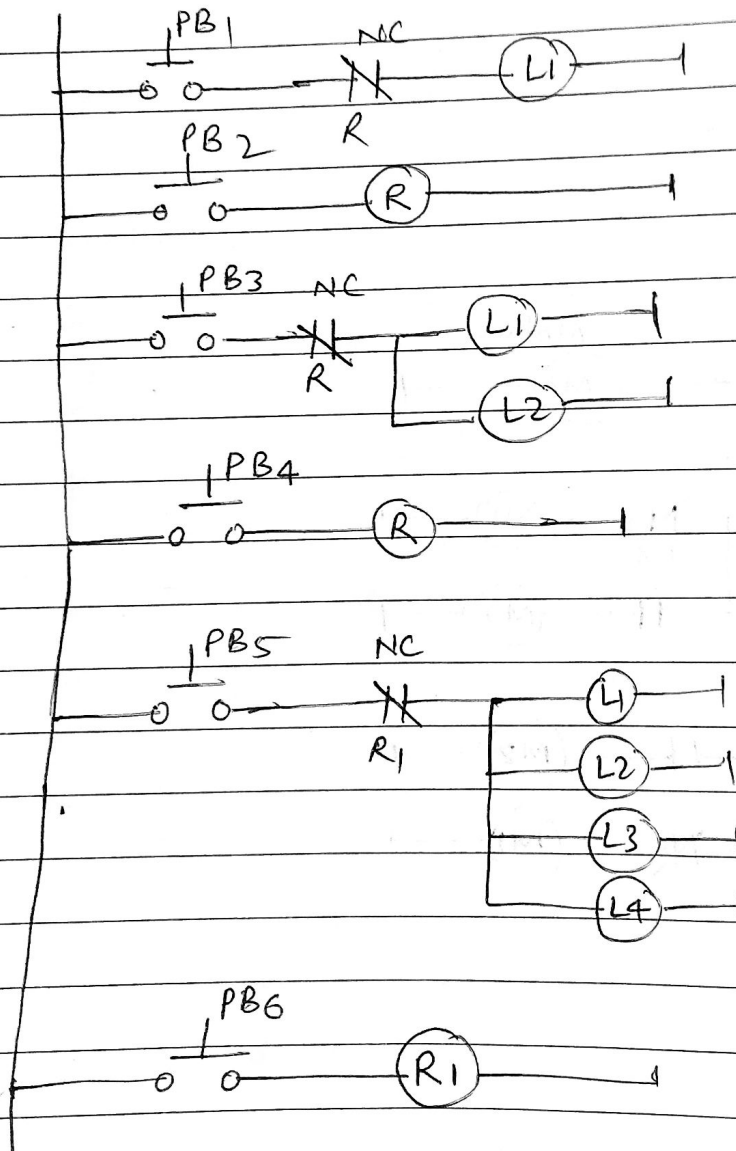
Question (7) -

Answer: -

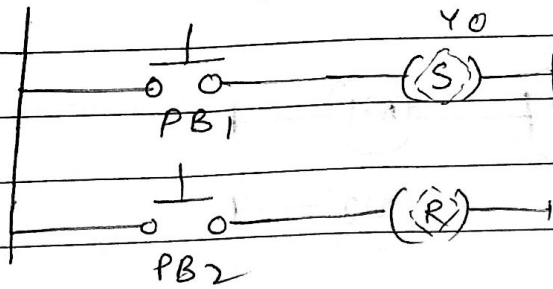


Question (8) -

~~Truth Table~~



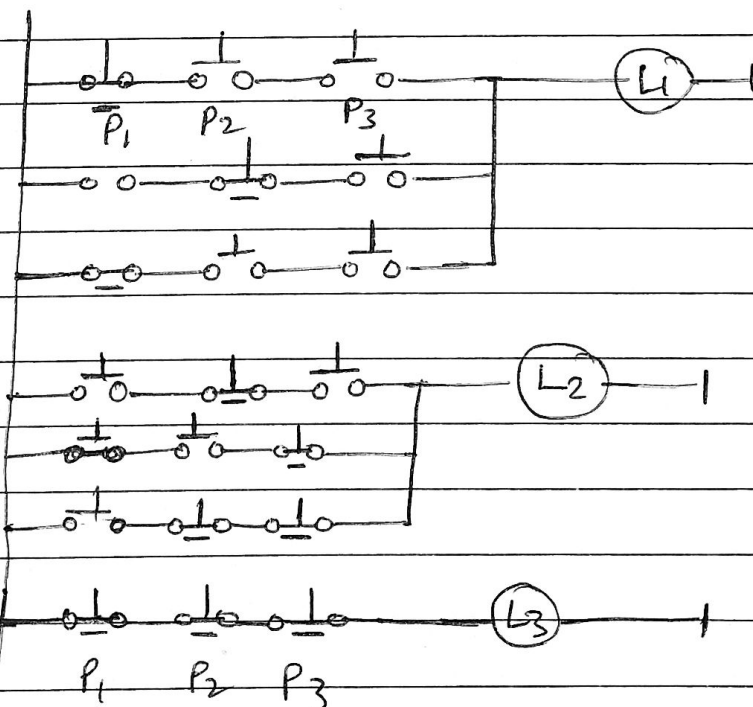
Question (9):



Question (10)

Truth Table

| P_3 | P_2 | P_1 | L_1 | L_2 | L_3 |
|-------|-------|-------|-------|-------|-------|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 | 0 | 1 |



Question 11

