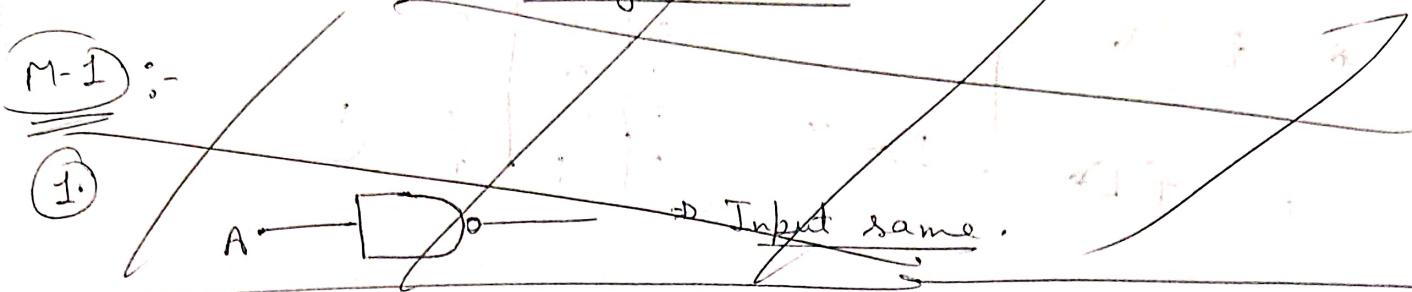
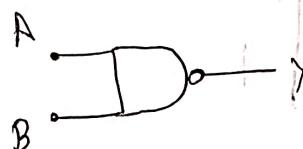


Assignment 1

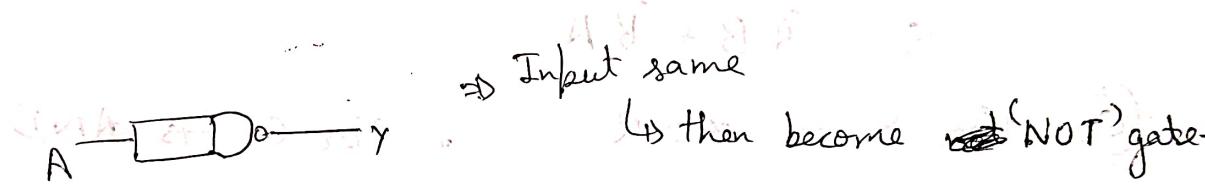


Assignment 1

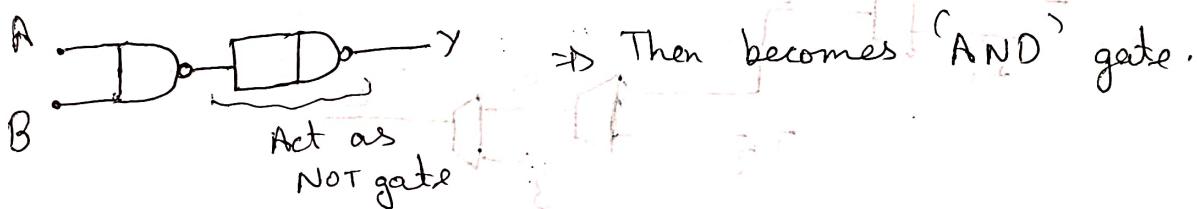
M-1 :-



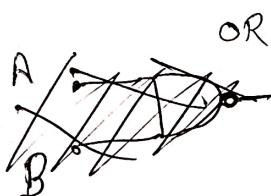
②



③



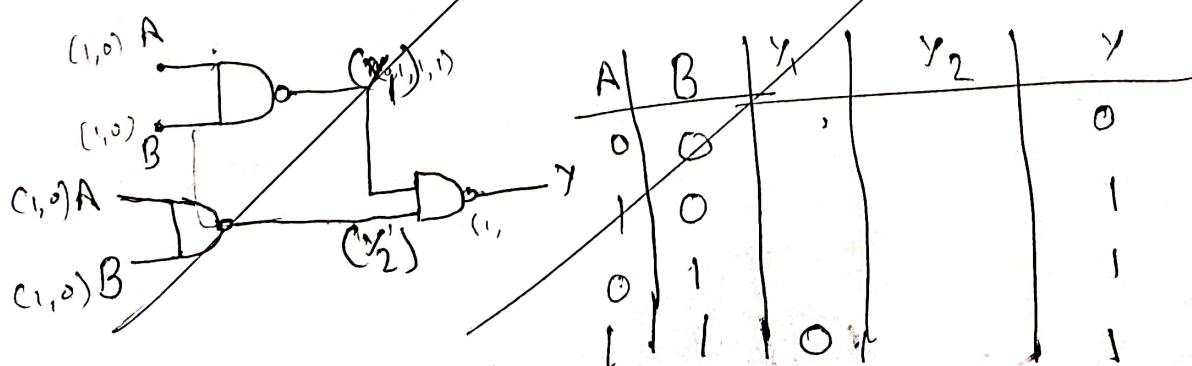
④



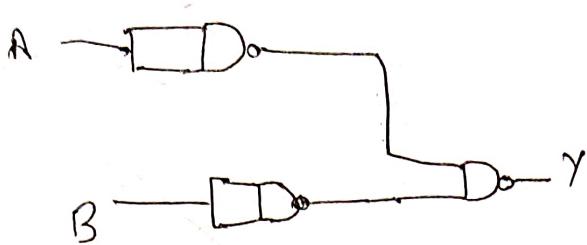
| A | B | Y |
|---|---|---|
| 0 | 0 | 0 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 1 | 1 |

NAND :-

| A | B | Y |
|---|---|---|
| 0 | 0 | 1 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 1 | 0 |



(e)



| A | B | Y |
|---|---|---|
| 0 | 0 | 0 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 1 | 0 |

✓

M-2

(a)

| A | B | S | C |
|---|---|---|---|
| 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 |

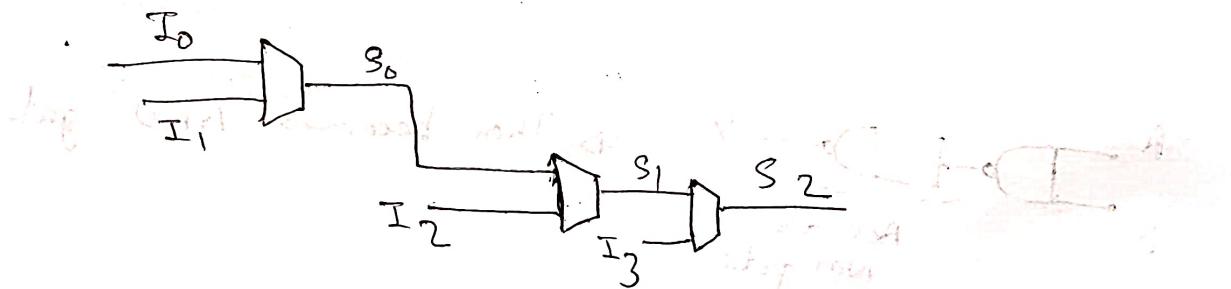
(b)

$$C = A \cdot B$$

$$S = \overline{A}B + \overline{B}A$$

(c) For S = XOR , For C = AND

M-3



M-4

Temporary

Temporary