

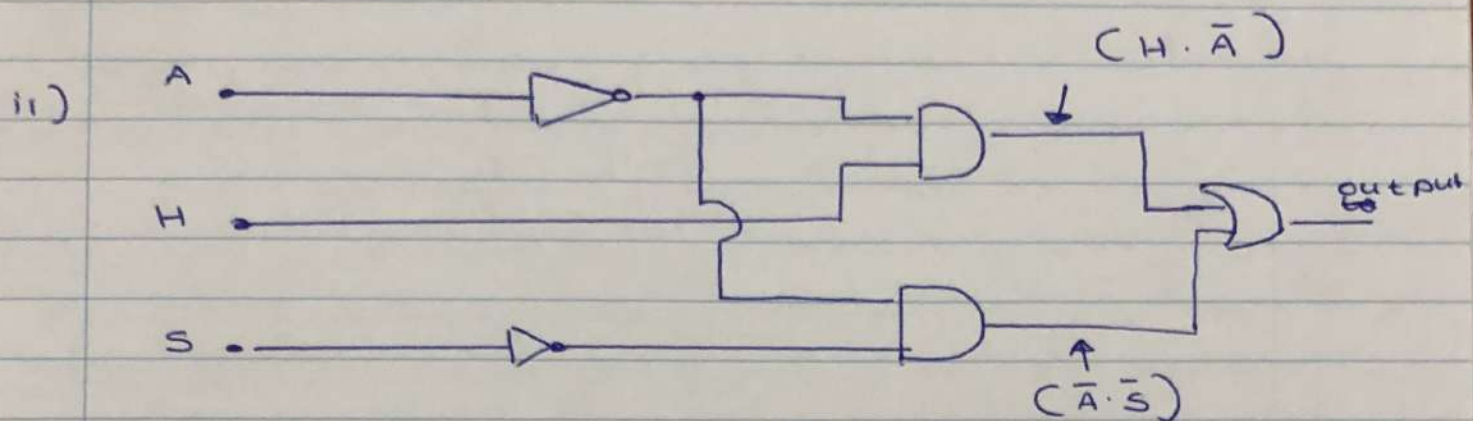
## Assessment 01

May 04<sup>th</sup> 2023

Name :- J.m.s.v Jayaweera

ID :- 29008

i)  $\text{output} = (H \cdot \bar{A}) + (\bar{A} \cdot \bar{S})$



iii)

A	H	S	$\bar{A}$	$\bar{S}$	$(H \cdot \bar{A})$	$(\bar{A} \cdot \bar{S})$	output
0	0	0	1	1	0	1	1
1	0	0	0	1	0	0	0
0	1	0	1	1	1	1	1
1	1	0	0	1	0	0	0
0	0	1	1	0	0	0	0
1	0	1	0	0	0	0	0
0	1	1	1	0	1	0	1
1	1	1	0	0	0	0	0