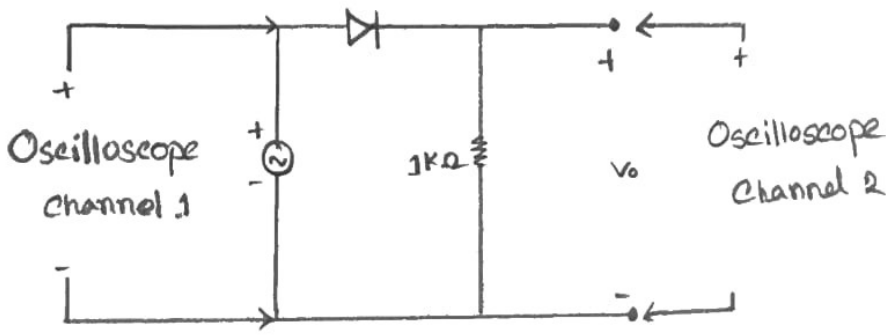
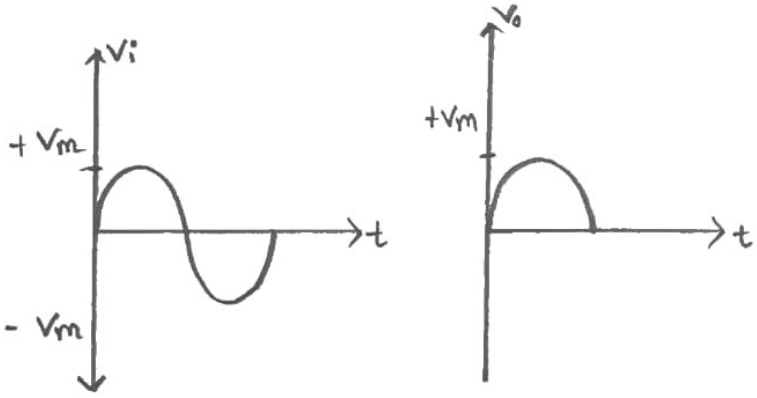
Experiment 3

Experiment on halfwave Rectifier circuit:





Data : $V_{i(max)} = ?$ $V_{o(max)} = ?$ $V_{o(dc)} = ?$

* $V_{i(max)} = 2.5V$
* $V_{o(max)} = 1.5$
* $V_{o(dc)} = \frac{V_{o(max)}}{2} = 0.74V$

ID = 242-115-125
242-115-126
242-115-139
242-115-149
242-115-145
242-115-149

6p

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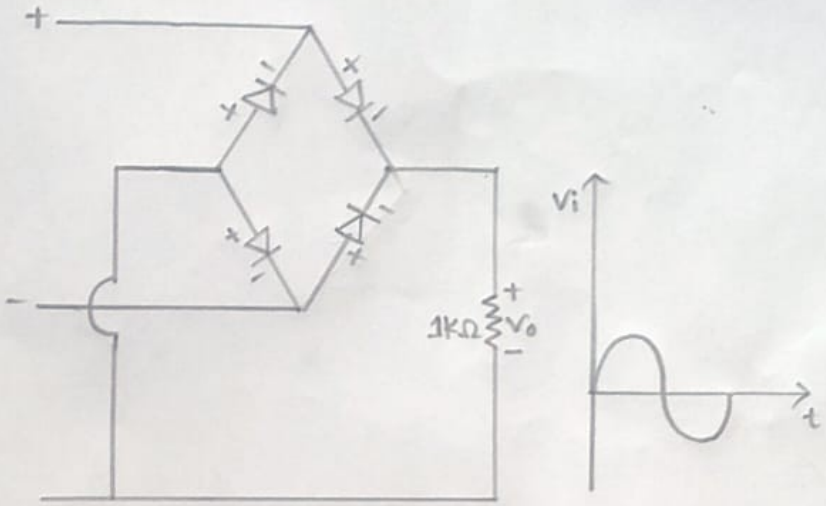
[03-07-25]

Experiment : 4

Observation of full wave Bridge Rectifier

circuit:



$V_{i(max)} = 8V$

$V_{o(max)} = 6.4V$

$f(input) = 1/t_{ms} = 1/1ms = 1kHz$

$f(output) = 1/t_{ms} = 1/1ms = 1kHz$

07/07/25

212-115-114
212-115-117
212-115-120
212-115-126
212-115-140
212-115-147
212-115-148

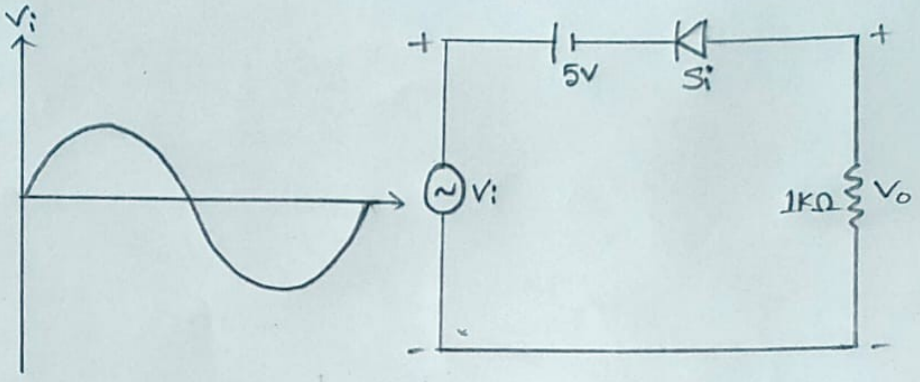
7p

ID - 242-115-126

Date: 17 July 2025

Experiment 5: Experiment on Biased Positive Clipper Circuit

Circuit:



$V_i(max) = 9.5V$

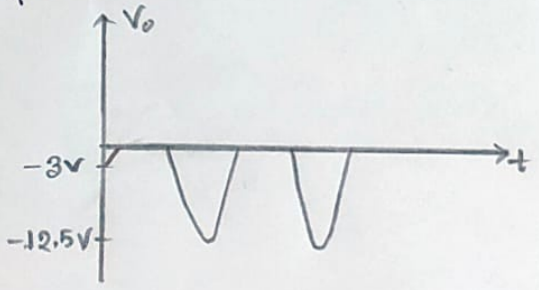
$f_i = 1\ KHz$

$V_o(-max) = -12.5V$

$V_o(+max) = 0V$

$f_{V_o} = \frac{1}{0.84} = 1.1\ KHz$

Output:



ID

242-115-125
242-115-126
242-115-132
242-115-133
242-115-135
242-115-136

} 6p

17/07/25