

LAB REPORT

Audio Amplifier (STEREO)

-> To construct a sterio andio amplifier circuit and demonstrate its functioning.

Components used ->

1) LM386 Low Voltage Andro Power Amplifier IC (x2)
2) 7-10W Speaker (x2).

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3) Andio Jack
4) 4-12V BC Input

5) 10 yt capacitor (x6)

6) 4. 9 nF capacitar (x2)

7) 220 mF, 16V capacitor (X2)

the things he had had

8) 100 uf capacitox (x2)

9) 10-2 resistor (x2)

10) 104 pF capacitoc (x2)

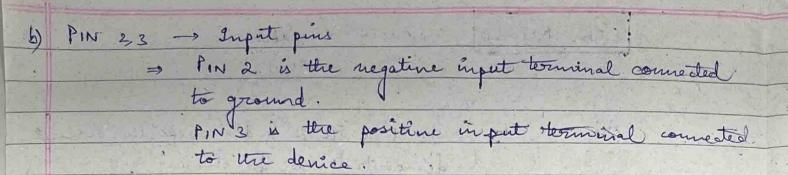
11) Ikr Potentionneter

some is respect to all a lieur . It have a Experimental setus & functioning

1 LM386 Low Voltage Andio Pomer Amplifier 10 -> It has the function of a low-voltage andio amplifier with gain from 20 to 200. It has 8 pins whose functions are listed below:

a) PIN 1,8 -> Grain controlling pine

They are used to adjust gain of amplifier.



c) PIN 4, 6 → Power supply fins

PIN 4 is connected to ground. terminal

PIN 6 is connected to go positive capacitors.

(4-Molts)

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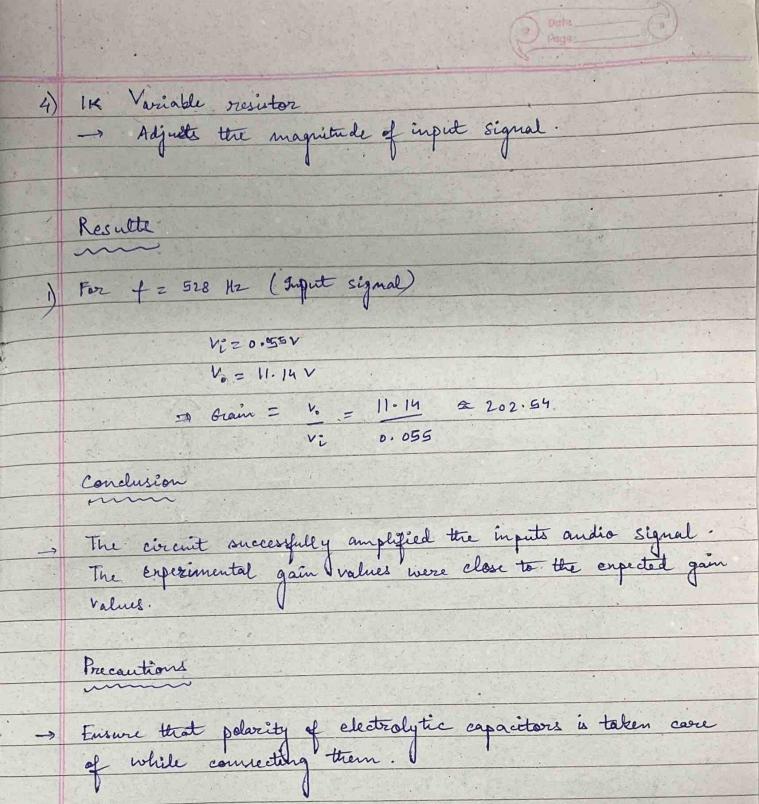
d) Output pin -> The amplified sound signal is output from
their pin . To remove any light sudden
frequencies / noise an Re filter with R=10 se
and C = 4.7 nF is used.

E) PIN 7

Bypass terminal → This terminal can be left open or grounded using 10 MF capacitor for Stability:

De Speaker - Outputs the amplified audio signal which is connected across 200 yF capacitor and ground.

39) Audia gack - Used for taking input from phone or laptop.



-> Keep the input voltage between 4-12 volts as this is the operational grange of CM386 Ic.

