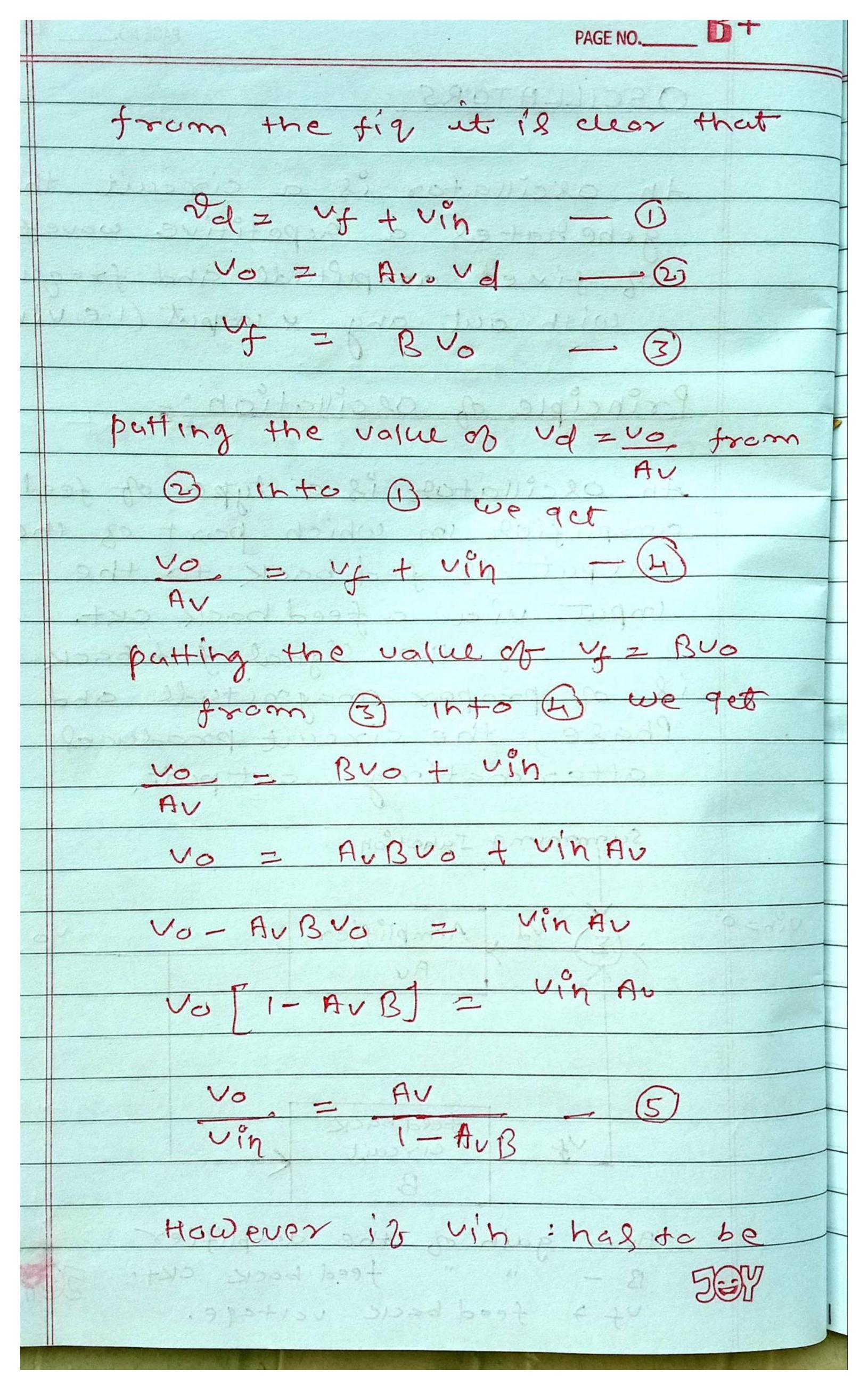
	DATE:_/B+
-	OSCILLATORS
	That your series of a sold records
	An oscillator is a circuit that
	gehehates a shepetitive waveform
	of fixed amplitude and frequency
	with out any vimput (i.e vinzo)
	Don 6 10 0 00 cille Light
	Principle of Oscillation:
	An oscillator is a type of feedback
1	amplified in which part of the
	output is fed back to the
	input via a feed back ckt.
	12 the signal fed back
	is of proper magnitude and
	Phase, the circuit produces
	alternating output,
	Summing Junetion
	vinze (E) Vd. Amplifier vo
	Av
1	FIRM DATE OF
+	
+	feed book
1	Vf feedback circuit
1	B.
1	Av- gain of the amplifier
	13 - " teed back CK+. EVIT
	Uf 7 feed back voltage.



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zero tomon and vo to implies
that
AUB = 1 (6)
egh 6 is know as Barkhausch
criterian for ascillien to take
place. According to Barkhaysch.
According to Barkhaysch criterian there are two
e hequirements for oscillation. to take place.
if Auß should be at least 1
2) total Phas shift of the loop gain Auß must be equal sto
0° 07 360°.