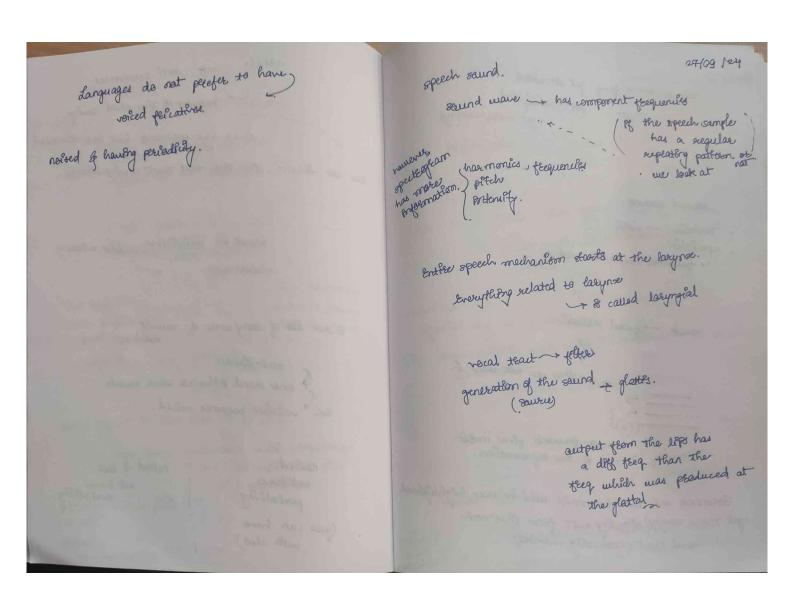
051/05/24 modulation - + tequency changes potter - to not an absolute no - psychoacourtic songersion law offer, high offer furdamental geoquency. + % an absolute ma y rely close to speech Some people have a very good perception of Pitch. Instituments are - use have to wood. talk about freq. drondogy. coelation with not static when we end the mental organisations, when we start T sentence we all pos judgement mplesson do you hear this or that + seesonating chamber vocal treat ; word coed ; steings of an intrament only are not roiding. analogy of lings vibration of the cartilegers of the layers. useful authorit a assertating drambor which amplifies the sounds when tundamental
tegueray
accountated (fo) net a linguistic The offings wheater

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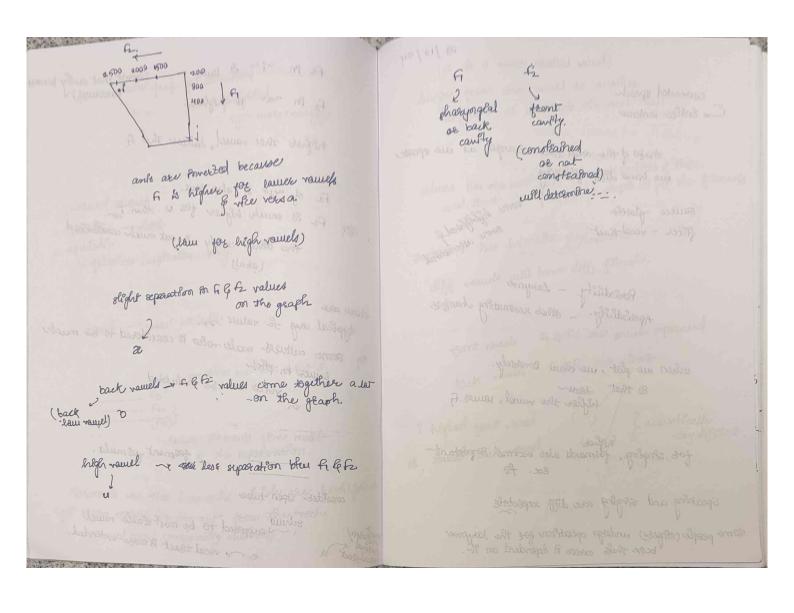
Anything which is voiced has periodicity. vouled have diff bands of frequency. when we change the shape of the mouth. teequery gets highlighted charged. Josemants } desert appearation of human speech to the 280· HZ. strusordal wareform to the childs operch. 270 secoult of the xeronating chamber. quari periodic The Normally human speech is not strusofolal 3000 the more than fundamental combhatten of store warres -> complete store warres. laulest harmonic -> fundamental feeq. enteger multiple of fundamental lawore reported at a producer certain grey. all harmonics ue look at a specteogram rupto ao on acquistic phonotics periodicity. beeg. deildes which frequeill stand out Starking diff vocal treat the harmonia which will be opedeurn. spaking at the change area three highlighted Same sentlar for voted conforants.

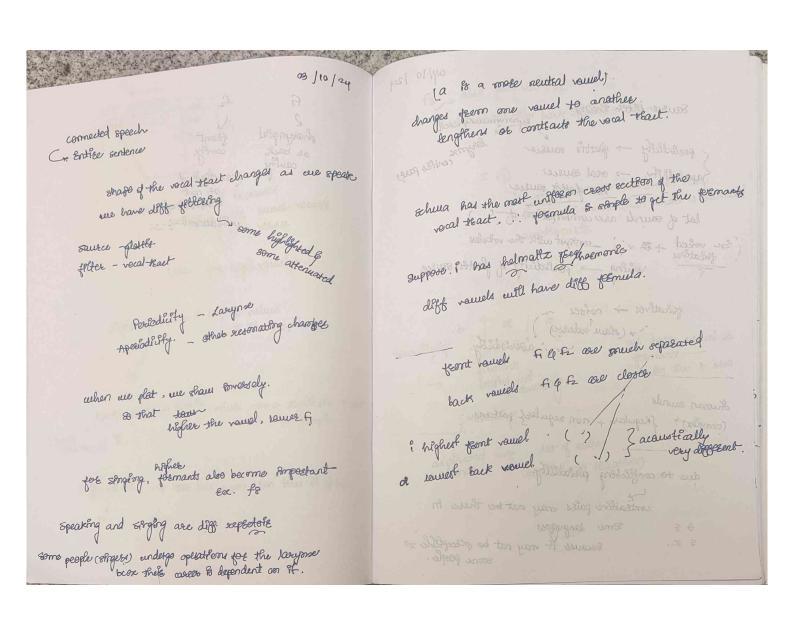
our apostable - noting. 26/09/24 quasi periodic. r some hazanonte bastssound ward t not a sequelar seperating pattern ~ also called as whithe speech. · Aporisdicity. nest no hormanic bath not multiples of fundamental frequency wellen with the externa (Resonaries) deff carefy of the rocal + act - deff natural frequences telering the frequencies - Edea of band pass fetter. (not the freq. of larymo) More superating - raud ar approximant No repeating pattern. or stoppings of superating pattern.

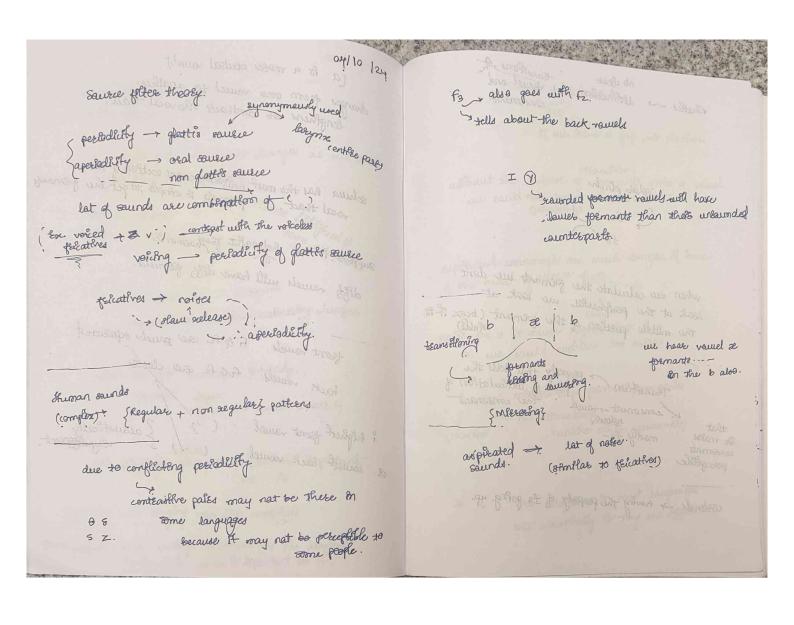
nasals - anti resonance L. because of the nasal carify. prad) free available software the stre - supresents pthch there are formants but are attenuated does not revolate, like the vocal teast country of blades. gellaw the - Entensity. all speech events happens m break in periodicity, sudden neleave those boundaries volieless stop law baundary when a person law boundary ends a sentence. when a person there's lat of carry over of sounds starts speaking formants, veuds one sound softwerces other sounds some bleaks in blue lines - po pillet. volceless becomes volced our hear mechanism will compensate and we will hear the naised noted & does petch throughout best have not have perhadily. perbodicity voiceles ~ no periodisty. (you can have saunde both also) fer catelle or approation.



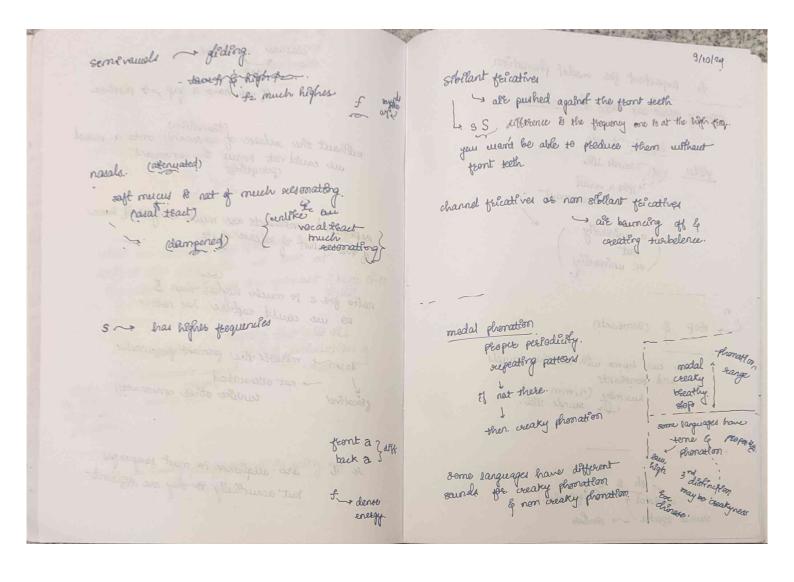
fa in "i" & law. Canada was compiled Arrass some year, get attenuated monamol) -11 - get highlighted for ma" to higher. get more evergy refler the round, lauren the fi fr of much higher for a than in shand subut the other carry is not much conferred · periodic - glottis. . apriedic · felatives, aspleation, robey. there are typical any to valuel on on some cutulos male roles is constituted to be much vauld - quast persodic laurer on offch + somotines we talk about it. voice can be modulated lamele premants give make of the information. + formant for mula. Formarts are the harmonics which are highlighted consider open tubes (get more energy) franching aut from the work situal supposed to be most stable rawel. vocal start (succenating chamber) e > vocal that % moder endended.

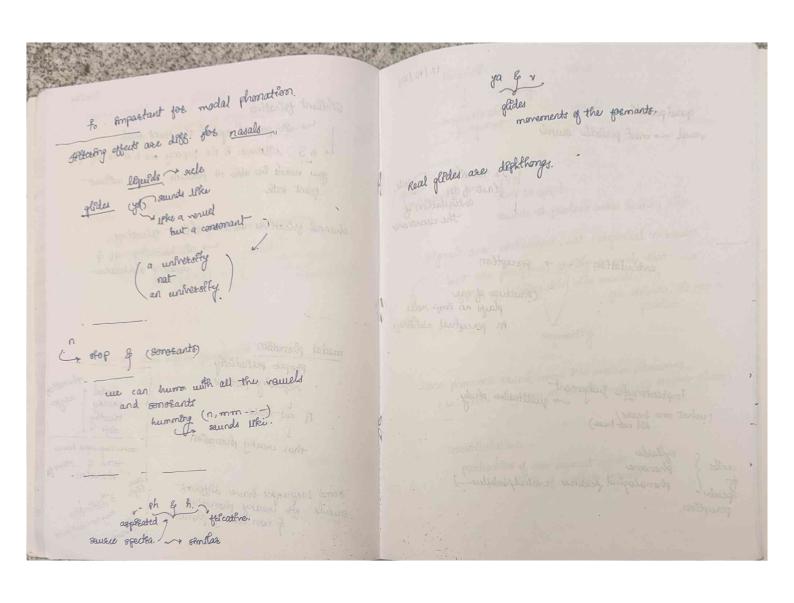


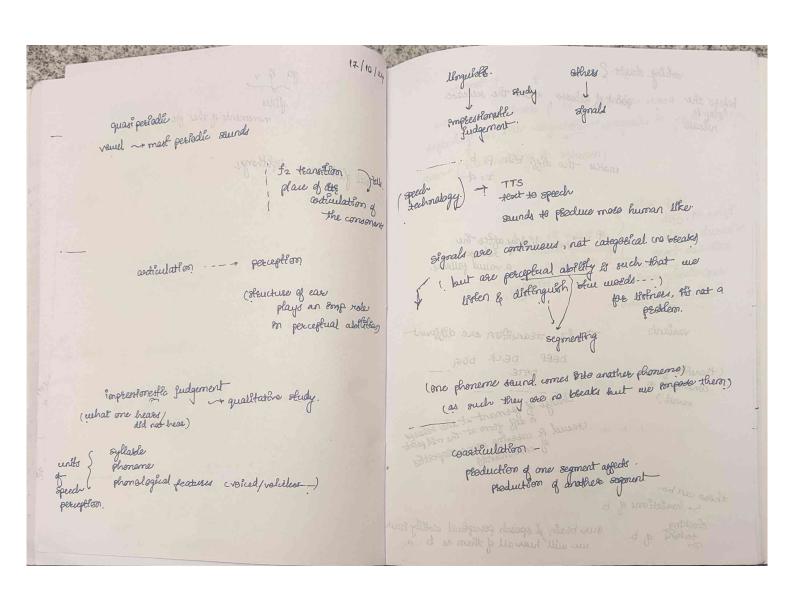




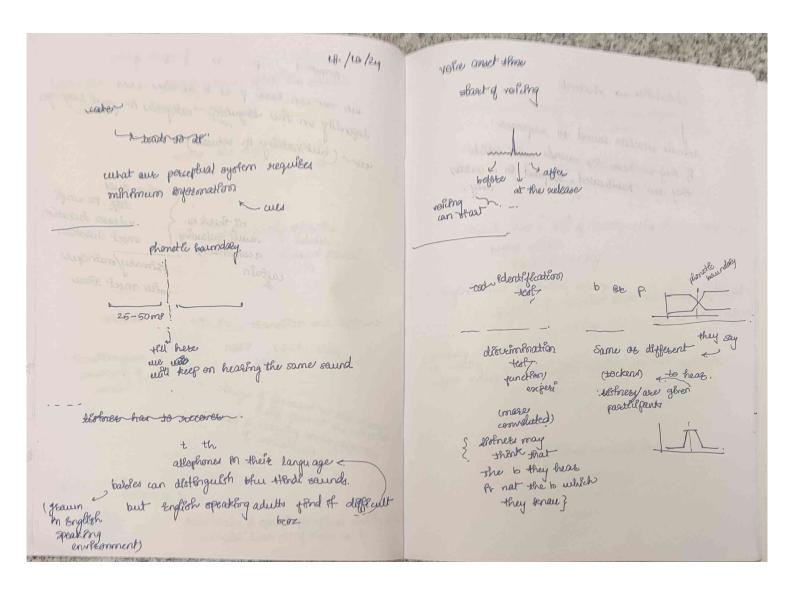
Rhatles and diffinction the valued and clasure sellease consonants. gap. of we have a gap , plother cuffhaut the scelease of consonaints onto a ramel we could not know the consonant (perceptible) veloce plach aspirated consonants are much longer if bear of the burst of release of all. when we calculate the formants we don't look at the peripheries, we look at nested for s for much higher than \$ the middle poetfor of the formant (beox if is 88 we could capture low rolle Transform place of articulation of Leons mant round the consonant h ~ milelold the formant frequencies - nat attenuated sulease; curlike other consonants) that frécathre the makes consonants perceptible are allogrance in most languages coronals - having the seasonly of f3 garing up. but acoustically for they are different.

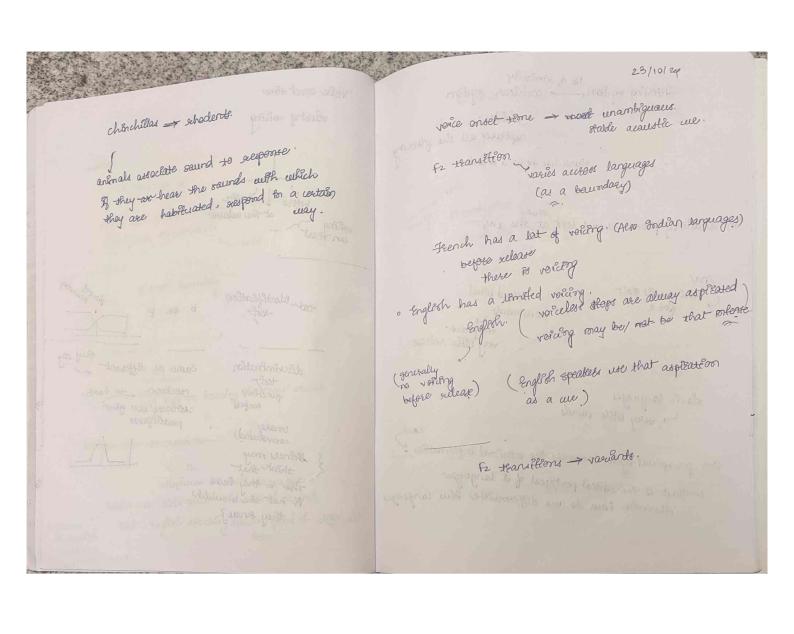


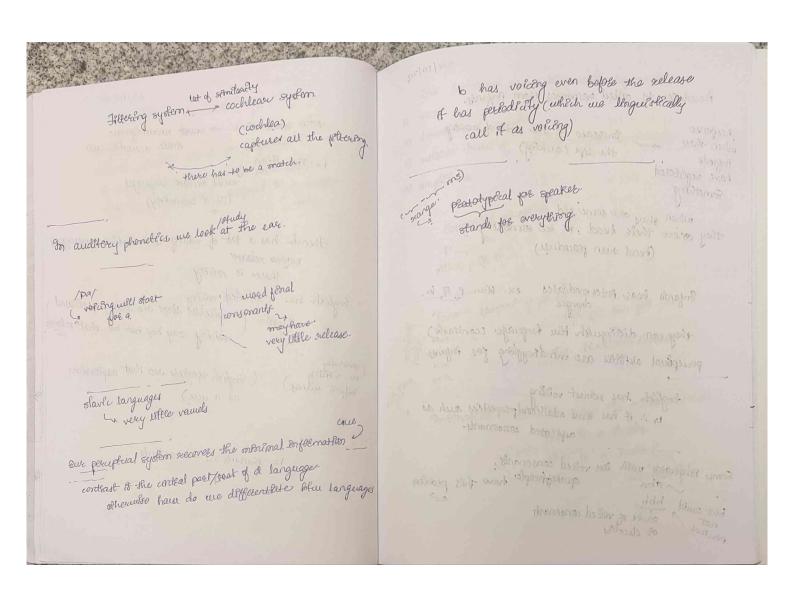


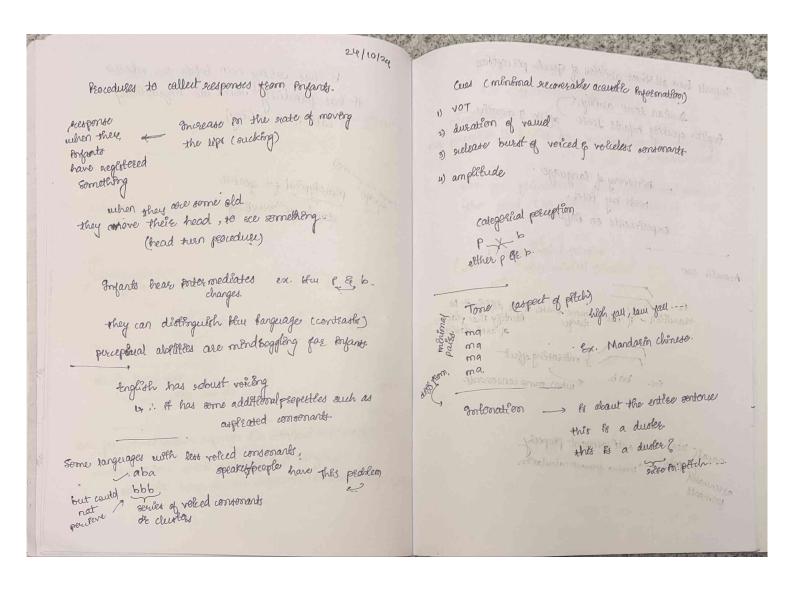


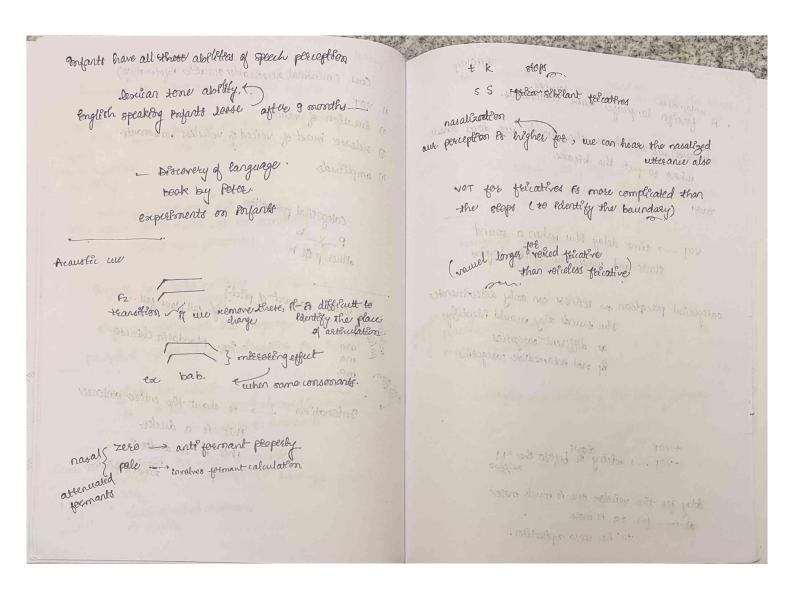
volling starto. & marie somet 4 point of selease, after the velease we too can heave p as b at vice versa - categories on your languages before the stop is release. defending on the stagulate best northing on between) makes the diff. blu P, b other ques diff. on angle release duration eff there's no . raule fallowing enset duration. P - formediately after the saleages a consonant) pelmary/makngue a valuel fallowy. voice onset there. + fz teansiffon are different variants DEEP DECK D'OG (transfloor from contonant to DATE change of fatmant at the valeur (vacual is carrying some proporties or consonants) valuel? there can be. · variation of b efocking tecking of b. our beain of speech perceptual abolity Risul we will hear all of them as b



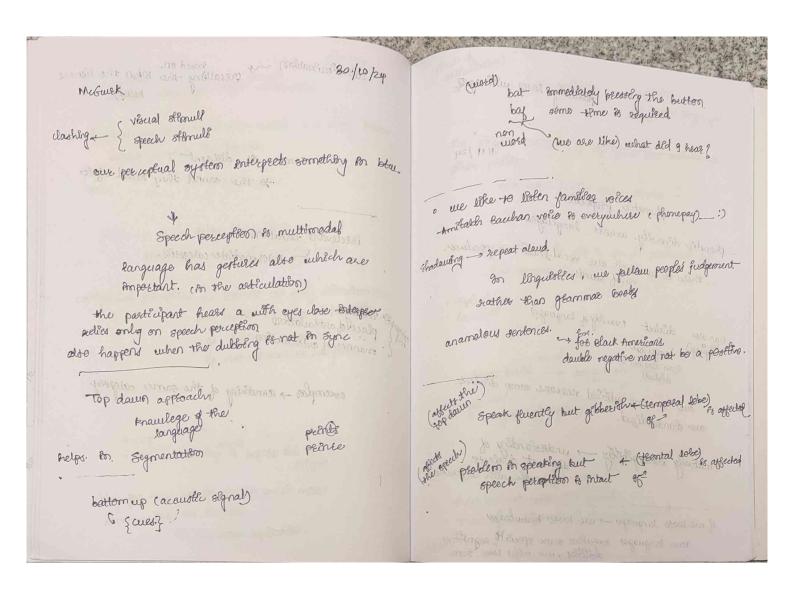


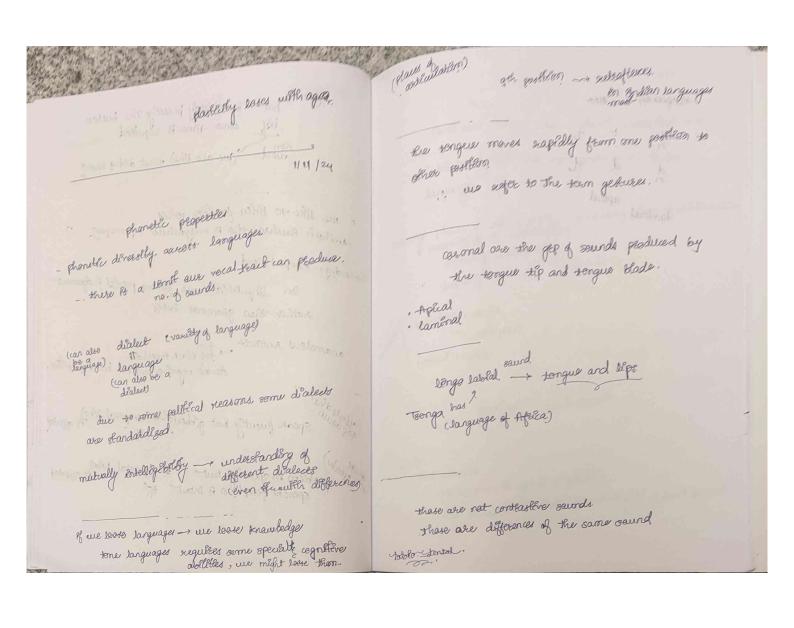


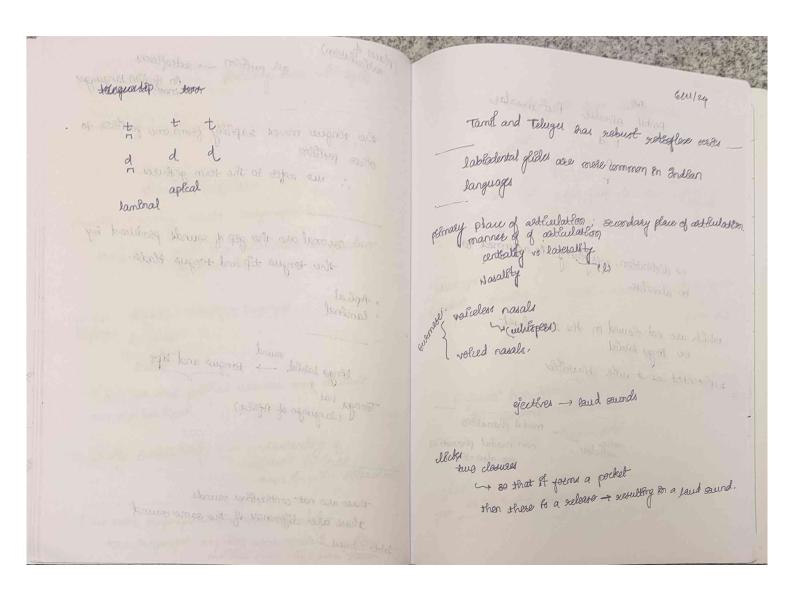




28/10/24 A fareign language seems continuals. descrionination. executiony the token the Woners because me don't know the words, me don't know heard) where to put the breaks. same of different not you relication to make complicated athor - out (to renderly the boundary) was to the sound they heard before VOT -> tême delay blu when a saund reselevant variation starts and when the volctory begins ntermediate categories. categorical perception :> lettress can only disconnecte shu sounds they would Edentify. on volclorg place of arthulathers on anner of arthulathers as different categories by not entomediate categories excemplar - somothing of the same category +vot -voledy is bojoto the IT release delay far the volceless one is much more derin for ta 80 mass ta has more asplication.







Del Past alveolar Dental Alveolar muster opera from dick sounds tank and teleger has been lateral gillet are more framen on Entran not fust all rulease glottlers. small place of estimation I not the same as th no distinction, everything is assumed to. Det to management voiced be alrealar which are not chaused so the IRA chart, glattal stop a represented and with drawite Guijarati has beenthy voiced vamels, which contrasts with narmal (medal) voicing.

forms minimal pates medal phonaters non medal phonotion. are also there So that if forms a packet ghast gast the governmentation to

H sharat becomes the name of aut country, - caranals 81e1/24 Are non Andrans would not be able to produce St, because only Indian languages has 15th saunds to be remembered. restation who we are they Road red hoof Reclimonary - This only equastres In the US, the people put on thank that soldtable z ever languages can have engrassives & relaxie (language news) who where some people put on an accent for a creaky phonation. Is not just voiced & voicelus appearance at the whereal lightly a judicies a laborar end. I go expression we represent t & -voice. languages have creaky & breathy, onadal voice glateal dag volceless scently model creaty closure bugges at has beenty voted nough, awish wortenty WHO Executing pathers with mement lorded newly menimal pales teenthy - turbulence 123 Intromobility wisher paied regeating pation maky spectrogram.

