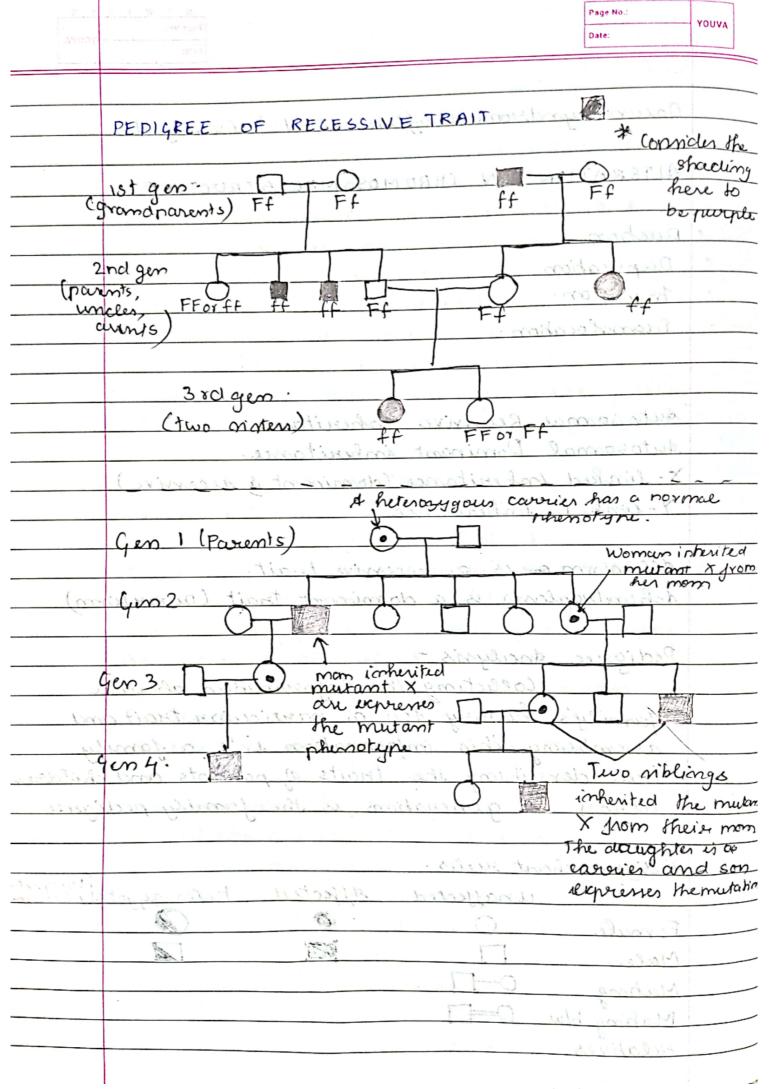
AVIGO	Page 20a ;			Page No.:	YOUVA
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	not move a	part propert	y diving	meionis	BI on
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	a normal	one at ju	stilization 1	he zygo	te will
	also have	an almosw	nal number	1 of a	ncerticula
	_chromosom	ie known	as aneup	loidy.	
	Fertilization	involving	a gamet	e that 1	sas no
	copy of a	nanticular	chromosom	e will	lead to
	a mining	chromoson	se in the	sygote (2n-1
	is said to	be monos	omic Con-	1) trus	imic (2nt
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Q	eg Down sy	and rome.			

,	Down syndrome is often called trisomy 21.
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וכנדני	Altro Atlanta
1 30	ALTERATIONS IN CHROMOSOMAL STRUCTURE
Free!	
e	Dulction
•	Duplication
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	4 1 200
	Autosomae Reunive inheritance
	Autosomal Dominant inheritance.
-	X- linked inheritance (dominant & recenive)
J. Maria	Y-limbed inheritance
	[(emons) 1 (emons)
VX 4	Allimison a is a secessive trait.
0 140	Achandrioplania is a dominant trait (Dwarfism)
	Men and Flore was as a Blank many man change and
	Dedicare describer
	Pedignee Analysis -
	Collecting the information about a
	family's history for a particular trait and
	assembling this importantion into a Jamily
	true describing the traits of parents and children
Marin A	across the generations is the jamily redignee.
to the later	
el o i	Pedigues chant queles.
ا الراد	Pedignee chart rules. Unaffected Affected Keteroxygote phenotype
	Female
	Male
	Making OI
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_			trait.	1 pedigou	wines to	conalys	
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			all dans		of affect	ed Jashe	M coll
	1	all in the second	carniers.	han in the	tory were	od Alakan	-
	b 1 1				4 - 1 2 2 2	P. Carrier J.	

	X-linked dominant trait:
areni.	Both males and Jemales are affected. Mos
	Jemales than males affected.
- te	Does not skip generations. Affected some men
	have an affected mother; affected
9	daughters must have either affected or
1	on an affected Jather
	Affected fathers will pass the trait on to
	all their daughters.
	Affected mothers (ig heterogygous) will
	pars the trait on to 1/2 of som and 1/2
witho	a daughters and and and
617	- Both sinces temporary the Irail to
	Y-linked trait
	only males are offected.
Signatura	In paned from Jasher to all soms.
milel.	· Does not skip generations.
2000	horse come paneat is affected (select
	ANALYSIS OF SEX-LINKED TRAITS IN HUMANS.
19 459	out 3 year harried for to el nouther proce
nit de	X-limbed traits like autonomals ones, can be
	analyzed using pedignes.
•	Human redignee analysis, however is complicate
	by several factorisioner simple and and
	a) Data collection often relies on Jamily execulterio
40.940	b) The trait is made and the Jamily small
<	The may not be enough undwiduals to establi
2) who	a munamuson of inheritance.
	c) Experimen of the forcit may vary resulting
	June change class from hier as nom
250 W	mutation may result in the
	Same phenotype and comparison of different
	same phenotype and comparison of different redigrees may show different inheritance 10x the "same" Scanned with Camscanner
	Scalined with Carriscaline