3 3 D 1 14	
Hegel	Page No.:
Desc.	Page No.: Date:
when I day a great there	
In a homozygote (SS) the poio	
3 gamete is 1	y hodama (s
In a heterosygote (Ss) the gamete is 1/2 and s	violability of wioducing
E const.	8. 1
a s game e is 12 and s	jamere is also 12
bereign 2 2 agreed	Company Deligible of the
Now consider F2 generation.	and the state of t
	9
Here the probability of getting 5 25% are homozygous domin	55 is 1/2 × 1/2 = 1/4 le
25% are homograpus domin	ant.
The probability of getting.	ec i 1/2 x 1/2= 1/2 ii 25%
The problemany of guinny.	05 16 12 0 14 15 20 16
homosygous recessive.	11011
00	
Adding probabilities: Probaba getting Ss and s5?	tus the perobability of
Ss and cs?	A PYNY B
getting 33 and 53	1 1 1 1 1 1 1 1 1
Perobability of Ss (S from spe	m & S (nom egg) - 1/2×1/2=1/4
Pen en Bility D s S / s Ayom My	um & S (0,0 m egg) = 1/2 x 1/2 = 1/4
Perobability of SS (S Jerom sper Perobability of SS (S Jerom spe	
201 1 1 and 2 2	
Both 55 & 55 are heterogygor	tes having same phenotype

Both 55 g. 55 are heterozygotes Mence added perobability is 1/4 + 1/2 = 1/2 is 50/ will be heterogygotes.

DIHYBRID CROSS

16/11

mendel crossed a pea plant peroducing gound yellow needs with one producing govern and wainkled seeds of pure breed variety. In FI generation plants a obtained producing only nound yellow seeds FI were allowed for self-pollination to get F2

avos	Page No.: Page No.: YOUVA		
•	H In F2, 4 different types of plants were		
icag a	c) wrinkled yellow d) Wrinkled green		
missie	Phenotype nation of 4 Types were 9:3:3:1		
	Dibybrid 01000: examination of 2 repercite		
	trouits in a single ovors.		
	- Jost example: RRYY × YYYY		
	The F, generation of a dihybrid oron (R, Y,)		
25%	shows only the domainant phenotypes of each trait.		
	66		
6 77	RY RY (TY) (TY)		
	F. = Rr Yy		
124/2014	FIXE MADE AABBAY aabb		
1. 1. val.	Ry Ry (V) (V) Aa Bb F, generation		
almada	Police Se Ves Commence Color C		
	AB Ababa B baba		
	AB AABB AABB AaBB AaBb Genera		
	AB AABB AABB AaBB Genera		
	Ab AABb AAbb AaBb Aabb		
and the second	mended from a formand similar		
·	aB AaBB AaBb aa BB aa Bb		
and the same of th	ab Aabb Aabb aabB aabb.		
7	down wolley booker your		
	Flavour assured for all of Cinarian de la		

	Now what is the probability of getting an
	55 homosygote? ii /4
	Metero zygote (Ss or SS) is 1/4 + 1/4 = 1/2.
	Livertypes and Elemohypes and a Willie
	The added probability (ie spherical seed) = 3/4
	The perobalility of yellow seed = 3/4
	The probability of spherical yellow seed= 3/4 × 3/4
	100 canced who top on 13 and may = 9/16
120	(Sina both events are independent).
	Probability of yellow ned = 3/4
	Probability of wrinkled seed = 1/4
	Mence added probability = 3/4 x 1/4 = 3/16
	Wrinkled yellow = 30, 3/16
	Wrinkled green = 1/16.
	PRINCIPLE OF INDEPENDENT ASSORTMENT (MENDEL'S
	trode double - 17 2nd Law
	The factors for two or more pairs of
	contrasting characters are distributed independent
-	of one another at the time of gamete formation
	Trong to the state of the state
	In a dihybrid own, the alleles of each gene
	asont independently
	CD b 44
	DIHYBRID TEST CROSS
	1 12 1 mil tout more incomplying constraint of FI
	A dihybrud test own involves croming of FI
	dishy brid with a double necessive parental type. Ryyy (FI) X ryyy (P)
	Type.

2000	Date:	KNOOA
*	YR Yr YR	
	yr YyRr yyrr Yyrr yyRr:	
	yr l YyRrl yyry 1911 yyr	
	Genotypic and Phenotypic natio is 1:1	:1:1
3/5	The states on your states and it	
	The purblishly of gellow and sty	
- S	Pure strain of mice with prown fur X	
3//6	grey fur. FI we got only brown (al	+ 1
	Then fix Fi. What is downcom	1 1000
	Phenotypic, genotypic sobor?	
4. 1	E Day Viscoust a service of the serv	
- Ani.	Phenotypic - \$3:1	
	Genotypic - 1:2:1	
	yartorg i v	
25.9.	Mice having Black, Long X White, sho	91
(wed 6	FI - Black short.	
ļ <u>.</u>	GF25:9:3:3:1 re out not metal all	
Libraryston	Black Black Blowhite	3
codemn	Black Black Ber White short long that long	
	White	
2000	a a delyberd onon the alleles of each	
-	phosporate is the sec	
	HASHID TEST (1808)	
13 0		
la ta	the state of the same of the state of the	
	(9) VV PK X (12) Which to be t	
	The state of the s	
-		