CHAP# 22 Inheritance



S.No	Questions	Answers				
3368.	MENDEL'S LAW OF INHERITANCE					
3369.	The tendency of individuals to resemble their parents are called	Heredity ETEA-2018				
3370.	The difference between offspring and their parents are called	Variation				
3371.	Heredity and variation play important role in the formation of	New species				
3372.	The science which deals with the study of heredity and variation	Genetics				
3373.	Genetics are also referred to the study of	Genes				
3374.	The science of genetics originated in the year 1900 with the rediscovery of an article originally published in 1866 by an	Augustinian monk named Gregor john Mendel				
3375.	The one who successfully explained the mechanism of inheritance during his research work on pea plant was	Mendel				
3376.	Mendel was an Austrian monk and is properly known is	Father of genetics				
3377.	Mendel was born on July 22, 1822 in	Czech Republic				
3378.	Between 1856 and 1863 Mendel carefully analyzing the seven pairs of seed and plant characteristic and cultivated and tested about	28,000 pea plants				
3379.	Mendel first delivered his lecture on pea plants in the year of	1865				
3380.	Mendel published hi paper "Experiments on plants hybridization" in	1866				
3381.	The state of the s					
3382.	The Darwin's theory of evolution was appeared in the year of	1859				
3383.	The journal in which Mendel work was republished was	Not recognized				
3384.	The scientist of Mendel era was not familiar with the	Statistical analysis of data				
3385.	The main characteristics of plant plants are as follow; can be grown in pots or in open area Short life cycle Self-pollinating flowers					

	:		lination is possib	ole ting heritable charac	ters				
3386.	Mendel c			pea plants for his		iven below;			
	-		aracter	Dominant trait	Recessive tra				
	1	See	d shape	Spherical	Wrinkled				
	2	Sec	d colour	Yellow	Green				
	3 Pod shape Inflated Constricted								
	4	Poc	colour	Green	Yellow				
	5	Flo	wer position	Axial	Terminal	ph,			
	6	Flo	wer colour	Purple	White				
	7	Ste	m height	Tall	short				
3387.	A cross be	tween two	individuals tha	t differ with one par	ticular trait is	Monohybrid cross			
3388.		cter that a	peared in F ₁ ger	neration are called	7.8	Dominant character			
3389.	The state of the s	AND THE PROPERTY OF		F ₂ generation are cal	led	Recessive trait			
3390.	The offspr	ing of F1	generation of tru	e red round seed sha		All round seed shape			
7701			eed shape will		d. F	2.1			
3391.				character appeared in	the P ₂	3:1			
2202			ige ratio of	and a large street of the large		Defaulting stores			
3392.	_		-	ytology was in its		Primitive stage			
3393.			ne cause of inher	The state of the s		Factors or elements			
3394.	The state of the s	THE COLUMN TWO IS NOT	DESCRIPTION OF THE PROPERTY OF	innsen in 1909 as		Genes			
3395.			st, each mate and s offspring only	l female contain a pa	ur of factors	One factor			
3396.	• La	aw of dom aw of segr	inance	ed by laws of hered	ity. These law	s are:			
3397.	Dominant	allele is re	epresented by			Capital letter			
3398.	The recess	sive allele	is represented by	y		Small letter			
3399.	The condi	tion of alb	inism is characte	erized by the lack of		Melanin pigment			
3400.	Lack of m	elanin pig	ment occurs in t	he		Hair, eyes and skin			
3401.	Out of two	phenotyp	e the more com	mon is called		Wild phenotype			
3402.	The rare f	orm of phe	enotype is called			Mutant phenotype			
3403.	The symb	ol used to	indicate normal	allele for wildlife is		+			
3404.	According by the	to the lav	of dominance,	different characters	are controlled	Factors			
3405.		e present i	n pairs, of which	one factor		Is dominated over other			
		ing of two		are particularly diffe	erent for two	Dihybrid			
3406.	manual me c	20001100001	v of genetics is o	alled law of		Independent assortment			
	The funda	The state of the s							
3407.			The offspring of the RRYY x rryy were all heterozygous with						
3407. 3408.	The offspr	ing of the		Mendel crossed RrYy x RrYy and the result was					
3406. 3407. 3408. 3409.	The offspr Mendel co	ing of the		the result was		Round yellow seeds			

3410.	Two pairs of contrasting	traits when follow	ved in a c	ross, the	alleles o	f Law of inc	lependent		
2.11.01	one pair assort independe					assortment			
3411.	Independent assortment of					1865			
3412.	Independent assortment of	Control of the Contro		1919-1, 319		101107070	eukaryotes		
3413.	After meiosis occur, each the organism's	The state of the s	and the second second						
3414.	Independents event will of individual probabilities	Product ru	le						
3415.	Probability of an event the ways is the sum of the se	Sum rule	100						
3416.	ways is the sum of the separate probabilities of the different ways If male plant is Pp and female plant is Pp, the probability of heterozygous plant are product rule → 1/4 Sum rule → 1/2								
3417.	EXCEPTION TO MEN	DELIAN INHE	RITANC	E					
3418.	Complete dominance → tall;short Incomplete dominance → 4*o clock plant flower Co-dominance → blood group AB Over-dominance → eye colour ETEA-2018								
3419.	When one allele is complestate is called	etely dominant o	ver anoth	er in hete	crozygou	S Complete	dominance		
3420.	When neither of the two state is called	alleles express inc	lependen	ly in het	стохудо	us Incomplete	dominance		
3421.	Cross of true breeding red flowered of 4° o clock pla	The second secon			ig white	Pink colou	r		
3422.	When Corren crossed to	wo pink flowers	the resul	was:			_		
		Red flower	Pink f	lower	White	flower			
		I		2		1			
3423.	When different alleles of hetrozygote condition are	37	oth expre	ssed in a	1	Co-domi group)	Co-dominance (blood group)		
3424.	When phenotypic express than the homozygous stat				intense	Over domi	nance		
3425.	Allele which code for one	e possible outcom	e of a ph	enotype	are calle	d Gene			
3426.	ABO BLOOD GROUP	SYSTEM							
3427.	Blood group system was Landsteiner in	discovered at the	universit	y of the l	Karl	1901			
3428.	ABO blodd group system chimpanzees, baboons an		humans	and apes	No.	Gorillas			
3429.	ABO blood group system	ms:							
3429,	Blood group ty	pe A	ntigen	Antib	odies	Donors			
. 14071				В		A, O	7		
21231	A	A		D		241.02			
21221	A B	A B		A		B, O			
				-					

	O blodd group people are universal donors for transfusions							
		O B			9			
3431.	The genetic basis of	ABO system in 1925 v	vas discovered b	ov	Bernstein			
3432.		stem is encoded by the		-	Chromosomes 9			
3433.	The Court of the C	ree multiple alleles:		1 1				
or Waltalla	1. 1 ^A	ree muniple ancies:						
	2. 1"							
	3. i			1.1				
		V						
	//	are completely domina						
	I' and I''	are co-dominant over	each other.					
434.								
	A	ABO blood type	Genotype					
	A		I', I', I'i					
	E		In In In i					
	A	AB	I _V I _{II}					
	A		ii					
1435.		ood group types			2			
100000	The main typs of blo		re		2			
3436.	The main typs of blo The major types of	blood group systems ar			30			
3436. 3437.	The main typs of ble The major types of The minor blood gre	blood group systems as oup systems(rare blood			TO CONTROL OF THE PARTY OF THE			
3436. 3437.	The main typs of blo The major types of The minor blood gro Two main blood gr	blood group systems as oup systems(rare blood			30			
3436. 3437.	The main typs of blo The major types of The minor blood gro Two main blood gr 1. ABO system	blood group systems as oup systems(rare blood oup system are:			30			
3435. 3436. 3437. 3438.	The main typs of blo The major types of The minor blood gro Two main blood gr	blood group systems as oup systems(rare blood oup system are:			30			
3436. 3437. 3438.	The main typs of blo The major types of The minor blood gro Two main blood gr 1. ABO system 2. Rh(Rhesus) sy	blood group systems as oup systems(rare blood oup system are:	types) are	Donor	More than 200			
3436. 3437. 3438.	The main typs of blo The major types of The minor blood gro Two main blood gr 1. ABO system	blood group systems aroup systems(rare blood oup system are: stem	(types) are Anti Rh	Donors	More than 200			
3436. 3437. 3438.	The main typs of blo The major types of The minor blood gro Two main blood gro 1. ABO system 2. Rh(Rhesus) sy	blood group systems are oup systems (rare blood oup system are: stem Rh factor or Antigen	Anti Rh antibodis		30 More than 200 S Genotypes			
1436. 1437. 1438.	The main typs of ble The major types of The minor blood gre Two main blood gr 1. ABO system 2. Rh(Rhesus) sy Rh blood type Rh*	blood group systems are oup systems (rare blood oup system are: Stem Rh factor or Antigen Present	Anti Rh antibodis Absent	Rh ⁺ / Rh ⁻	30 More than 200 S Genotypes DD / Dd			
1436. 1437. 1438.	The main typs of blo The major types of The minor blood gro Two main blood gro 1. ABO system 2. Rh(Rhesus) sy	blood group systems are oup systems (rare blood oup system are: Stem Rh factor or Antigen Present	Anti Rh antibodis		30 More than 200 S Genotypes			
3436. 3437. 3438. 3439.	The main typs of ble The major types of The minor blood gre Two main blood gr 1. ABO system 2. Rh(Rhesus) sy Rh blood type Rh*	blood group systems are oup systems (rare blood oup system are: Stem Rh factor or Antigen Present Absent	Anti Rh antibodis Absent	Rh ⁺ / Rh ⁻	30 More than 200 S Genotypes DD / Dd			
3436. 3437. 3438. 3439.	The main typs of ble The major types of The minor blood gre Two main blood gr 1. ABO system 2. Rh(Rhesus) sy Rh blood type Rh* Rh*	blood group systems are oup systems (rare blood oup system are: Stem Rh factor or Antigen Present Absent	Anti Rh antibodis Absent Present	Rh*/Rh* Only Rh	30 More than 200 S Genotypes DD / Dd			
3436. 3437. 3438. 3439.	The main typs of blo The major types of The minor blood gr Two main blood gr 1. ABO system 2. Rh(Rhesus) sy Rh blood type Rh' Rh Rh The antigen of Rh w	stem Rh factor or Antigen Present Absent PSYSTEM as discovered in the Ri	Anti Rh antibodis Absent Present	Rh*/Rh* Only Rh	More than 200 S Genotypes DD / Dd dd Landsteiner in 1930s			
3436. 3437. 3438. 3439. 3440. 3441.	The main typs of ble The major types of The minor blood gre Two main blood gr 1. ABO system 2. Rh(Rhesus) sy Rh blood type Rh* Rh Rh Rh BLOOD GROUTHE antigen of Rh w The Rh blood group	stem Rh factor or Antigen Present Absent PSYSTEM as discovered in the Ri system currently consi	Anti Rh antibodis Absent Present nesus monkey b	Rh*/Rh* Only Rh	More than 200 S Genotypes DD / Dd dd Landsteiner in 1930s 50 defined blood groups			
3436. 3437. 3438. 3439.	The main typs of blo The major types of The minor blood group Two main blood group The minor blood group The minor blood group Rh blood type Rh' Rh Rh The antigen of Rh w The Rh blood group The more common of	stem Rh factor or Antigen Present Absent PSYSTEM as discovered in the Ri	Anti Rh antibodis Absent Present nesus monkey by	Rh*/Rh* Only Rh	More than 200 S Genotypes DD / Dd dd			

	body flu	ids including							
3446.	People w	hich secrete ABO blood type	antigens are called		Secretors				
3447.	ABO blo	od group system are controlled	d by a dominant secretor	gene	"Se" on chrome	osomes 19			
3448.	Rh blood occupy	I group system is encode by the	ree genes C, D & E which	ch	2 tightly linked loci				
3449.	Formatic	on of D antigen is commonly k	nown as		Rh factor				
3450.	Gene D has two alleles D and d. → Person having genotype "DD" or "Dd" have D antigen (Rh factor) on their RBC and are Rh positive. →person having genotype "dd" do not have Rh factor and are Rh negative.								
3451.	The mother immunity destroy the red blood cells of an Rh-positive foetus, it is called								
3452.									
3453.		action between the alleles of d loci of same or different chron		1	Non-allelic inte inter-genic inte				
3454.	GENE I	NTERACTIONS							
3455.	An exam	ple of non-allelic interaction is		12	Epistasis ETEA-2007				
3456.	The phenomenon in which the effect caused by one gene at one locus interferes with or hides the effect caused by another gene at another locus								
3457.	The gene	which is suppressed is called	11.10		Hypostatic gen	e			
3458.	The gene	which is dominant is called	N.Z.		Epistatic gene				
3459.	The relat	ion between alleles of same ge	ene on same locus		Dominance				
3460.	The inter	action between different gene	of different loci		Epistasis				
3461.		dividual are phenotypically O or AB, this is	but genotypically they n	ay be	Bombay Pheno ETEA-2015	type			
3462.	The Bon	ibay phenotype was first disco	vered in in 1952 by		Dr. Y.M Bhend	le			
3463.	Bombay	phenotype is present about			0.0004% (4 pe				
3464.	The max	imum possibility of Bombay p	henotype is		0.01% (1 in 10,000)				
3465.	To produ	ice phenotype, genotype intera	ct with		Environment				
3466.	Qualitati they sho	ve traits have few phenotypes w	that have sharp different	ce so	Discontinuous	variation			
3467.	1 - April 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tive traits comparatively have ference so they show	large number of phenoty	pe	Continuous var	iation			
3468.	Qualitat	ive traits:				20			
	S.No	Organism/Part	No of phenotypes	Pheno					
	I	Pea seed shape	2		& wrinkled				
	2	4' O clock flower	3	Red, F	ink & Water				
	3	ABO blood group system	4	A, B.	AB & O				
	1. H 2. W 3. In	ative traits (polygenic traits/r eight /eight atelligence kin colour	multiple gene):						

	A COLUMN TO A COLUMN	eat grain colou	CONTRACTOR OF THE PARTY OF THE					
3469.	All the gen	es that control	quantitative traits a	re called		Poly ger	ies	
3470.	Number of	population of	all phenotypes of w	heat populat	ion are	7		
3471.	Most grain have shades in between from						Light pink to moderately dark red	
3472.	When red	green grain is o	grain the	Result was light red colo				
3473.	Three different gene pairs, Aa, Bb, Cc at three different loci contribut						rain colour	
	to the							
3474.							- 1	
	Colour		F ₂ generation				No of red pigment	
	Dark red		1	AABBCC	8	. 1	6	
	Moderate	ly dark red	6	AaBBCC.	AABbCC, A	ABBCc	5	
	Red		15	AABBcc, AAbbCC, AA			4	
	Light red		20		AABbcc,aaBb		3	
	Pink		15		abbCc, aaBbC		2	
	Light pin	k	6	Aabbee, aa	Bbcc, aabbCc		1	
	White		1	aabbee			0	
					1			
3475.	Alleles A.I	B and C codes	for an equal amount	(dose) of		Red pig	ment	
3476.	Environme	ental factors the	at can influence the	amount of gr	rain colour	Light, w	ater & nutrients	
3477.	amount of	melanin produ	THE PROPERTY OF THE PARTY OF TH	1				
5477.		Involved in Encodes the tyrosine.	nced; permanent survival, enzyme tryosinase v sponsible for determ	proliferation which is invo	and migration olved in the pro	of melar	ocytes. of melanin from	
	Gene B Gene C	Involved in Encodes the tyrosine. Primarily re- produced in	permanent survival, enzyme tryosinase v sponsible for determ humans.	proliferation which is invo	and migration olved in the pro	of melar	ocytes. of melanin from	
	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in shades of skin	permanent survival, enzyme tryosinase sponsible for determ humans.	proliferation which is invo- ining wheth	and migration olved in the pro- er pheomelania	of melar	ocytes. of melanin from	
	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin	permanent survival, enzyme tryosinase v sponsible for determ humans.	proliferation which is invo	and migration olved in the pro- er pheomelania Ratio	of melar	ocytes. of melanin from	
	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Dar	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown	proliferation which is involved ining whether the property of	and migration olved in the pro- er pheomelania Ratio	of melar	ocytes. of melanin from	
30000	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Dar Moo	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown	proliferation which is investing whether ining whether beginning where beginning whether beginning whe	and migration olved in the proper pheomelania	of melar	of melanin from	
30000	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Alle Darr Moo	permanent survival, enzyme tryosinase values sponsible for determinants. colour: eles colour shades k brown derate dark brown wn	proliferation which is involved ining whether the programme of the property of the process of the property of	and migration olved in the pro- er pheomelania Ratio	of melar	of melanin from	
3477.	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Dar Moo Bro Light	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown wn ht brown	proliferation which is investigated which is investigated whether the property of the property	Ratio 1 6 15 20	of melar	of melanin from	
30000	Gene B Gene C	melanin produced in Encodes the tyrosine. Primarily reproduced in Shades of skin Moo Bro Ligit Pint	permanent survival, enzyme tryosinase values sponsible for determinants. colour: eles colour shades k brown derate dark brown which brown kish brown	proliferation which is involved ining whether the programme of the property of	Ratio 1 6 15 20	of melar	ocytes. of melanin from	
	Gene B Gene C	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Dar Moo Bro Ligh White Shades White Shades of Skin White Shades of Skin Bro Light White Shades White	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown wh t brown kish brown ite brown	Pigment 6 5 4 3 2	Ratio 1 6 15 20 15 6	of melar	ocytes. of melanin from	
	Gene A Gene B Gene C Different	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Moo Bro Ligit Pini White Pure	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown wn ht brown kish brown ite brown e white	proliferation which is involved ining whether the programme of the property of	Ratio 1 6 15 20	of melar	ocytes. of melanin from	
3478.	amount of Gene A Gene B Gene C Different	melanin produced in Encodes the tyrosine. Primarily reproduced in Shades of skin Dar Moo Bro Light When Puro mbinations: 64	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown whit brown kish brown ite brown e white	Pigment 6 5 4 3 2 1	Ratio 1 6 15 20 15 6	of melar	ocytes. of melanin from	
3478.	#Total cor	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Moo Bro Light Pinh White Pure mbinations: 64	permanent survival, enzyme tryosinase v sponsible for determ humans. colour: eles colour shades k brown derate dark brown wn ht brown kish brown ite brown e white	Pigment 6 5 4 3 2 1 0	Ratio 1 6 15 20 15 6	n of melar oduction o	of melanin from	
30000	*Total cor Gene locat	melanin produced in Encodes the tyrosine. Primarily reproduced in Shades of skin Alle Dar Moo Engl Pini White Pure mbinations: 64	permanent survival, enzyme tryosinase values ponsible for determ humans. I colour: eles colour shades k brown derate dark brown with brown tite brown e white Percentage of the property of	Pigment 6 5 4 3 2 1 0	Ratio 1 6 15 20 15 6 1	of melar	of melanin from lanin is	
3479. 3480.	*Total con GENE LI The number Gene locatin genetic of The pheno.	Involved in Encodes the tyrosine. Primarily reproduced in Shades of skin Moo Bro Ligit Pint White Pure of gene is greed on same checrosses are sain	permanent survival, enzyme tryosinase values ponsible for determ humans. I colour: eles colour shades k brown derate dark brown with brown tite brown e white Percentage of the property of	Pigment 6 5 4 3 2 1 0	Ratio 1 6 15 20 15 6 1	of melar oduction of n or eume	somes genes	

3485.	II gen	e are linked		Sex linkage					
J.103.	All th	e linked gen	e found on the sar	ne homologous pair of		Linkage group			
	chron	nosome form	a group, known a	ns					
3486.	In hu	mans, the sic	found on	Chromosomes 11					
3487.	The li	inked genes t	tend to be inherite	d together and this is		En bloc inheritance			
3488.	Detection of gene linkage: Heterozygous individual(F ₁) is crossed with recessive parent(P ₁), then if If all phenotype are produced in equal (1:1:1:1) then there is no linkage between If more parental and less recombinant are produced then it is incomplete or partitinkage. If only parental types are produced then tight or complete linkage is believed.								
3489.	T.H N	Morgan exp	eriment:						
	-+ No	ormal is dom	inant over vestigi	al and gray is dominant of	over black				
		Body	Wings	Type	Num	bers			
		Gray	Normal	Parental	965				
		Black	Vestigial	Parental	944				
		Gray	Vestigial	Recombinant	216				
		Black	Normal	Recombinant	185				
	So it	is incomplet	e or partial linkag	e.					
3490.	The p	rocess which	is responsible fo	r gene recombination of	linked	Crossing over			
	gene i	is		A A	1				
3491.									
	1 14 8 17 17								
3492.	17, 3, 17, 17		et the eye colour o	of drosophila is		Cinnabar (cn)			
3492. 3493.	The g			of drosophila is		Cinnabar (cn)			
-	The g	ene that affe	vg g → 17%	of drosophila is		Cinnabar (cn)			
3493.	Distant	ene that affe	g → 17% n → 9% vg → 9.5%	of drosophila is		Cinnabar (cn) Arbitrary			
3493. 3494.	The g	ene that affe	g → 17% n → 9% vg → 9.5%						
3493. 3494. 3495.	Distantantantantantantantantantantantantant	ene that affe	yg → 17% n → 9% vg → 9.5% upposed to equal t		ne locus	Arbitrary 1% recombination			
-	The g Distant The n One n	ene that affe	g → 17% n → 9% vg → 9.5% approved to equal the	0	The state of the s	Arbitrary 1% recombination frequence			
3493. 3494. 3495.	The g	ene that affe	g → 17% n → 9% vg → 9.5% approsed to equal the setween different gettings.	o ame gene occupying san	The state of the s	Arbitrary 1% recombination frequence Dominance			
3494. 3495. 3496. 3497.	The n Distant The n One n Relati The ii	ene that affe	g → 17% n → 9% nyg → 9.5% upposed to equal the setween different government	o ame gene occupying same occupying different l	oci	Arbitrary 1% recombination frequence Dominance Epistasis			
3494. 3495. 3496. 3497. 3498.	The n Distant The n One n Relati The ii	ene that affe	g → 17% n → 9% nyg → 9.5% upposed to equal the setween different government	o ame gene occupying same ene occupying different l rmining mechanisms b	oci	Arbitrary 1% recombination frequence Dominance			
3494. 3495. 3496. 3497. 3498.	The n One n Relati The in SEX	ene that affe	g → 17% n → 9% vg → 9.5% approved to equal to the statement different go NATION ariety of sex determines	o ame gene occupying same ene occupying different l rmining mechanisms b	oci ut three pa	Arbitrary 1% recombination frequence Dominance Epistasis			
3494. 3495. 3496. 3497. 3498.	The none in the	ene that affe	g → 17% n → 9% vg → 9.5% apposed to equal to tween different go NATION ariety of sex dete	o ame gene occupying san ene occupying different l rmining mechanisms b	oci ut three pa	Arbitrary 1% recombination frequence Dominance Epistasis tterns are more common			
3494. 3495. 3496. 3497. 3498.	The n One n Relati The ii SIN There which Typ XO- XY-	ene that affe	g → 17% n → 9% vg → 9.5% approved to equal to the statement different go SATION ariety of sex determine Grass Dross	o ame gene occupying samene occupying different l rmining mechanisms b d in shopper and protenor bug	oci ut three pa	Arbitrary 1% recombination frequence Dominance Epistasis tterns are more common			
3494. 3495. 3496. 3497. 3498.	The n One n Relati The ii SIN There which Typ XO- XY- XX-	ene that affe	g → 17% n → 9% vg → 9.5% approved to equal to the saturation tween different go SATION ariety of sex determined Grass Dross Z Birds	o ame gene occupying samene occupying different lermining mechanisms beard in thopper and protenor bug ophila and humans	oci ut three pa	Arbitrary 1% recombination frequence Dominance Epistasis tterns are more common			

3502.	Y-chromosomes are called X-linked genes							
3503.	Comparison of determination of sex chromosomes of drosophila and human:							
	Species	the state of the s	Humans Drosophila					
	XX	Female		Female				
	XY	Male	Male		Male			
	xo	Sterile F	emale	Sterile Male				
	XXY	Sterile M	Male	Fertile Female	ETEA-2018			
3504.	An X:A ratio of 1.00 c	r high produces			Females	_		
3505.	X:A ratio of 0.5 or low				Males	$\overline{}$		
3506.	SEX LINKAGE				. 1. 1	7.		
3507.	Morgan showed that th	ne inheritance of	f eye colour and	sex occur in	Coordinate fashi	on		
3508.	SRY genes on Y chron	nosomes of man	determines		Maleness			
3509.	Sons do not inherit the	ir father		- A 9	X chromosomes			
3510.	X linked recessive	disorders	17-25-20-20-20-20-20-20-20-20-20-20-20-20-20-	X-linked dominant disorders ETEA-2010-2013				
	Haemophilia A and	B	Alport's sy	yndrome				
	Colour blindness		Coffin – Lowry syndrome (CLS)		(CLS)			
	Diabetes insipidus		Idiopathic hypoparathyroid		ism			
			Vitamin D	resistant rickets	2			
2511		(1 3	V	111-1-11-1-1-1-1			
3511.	Y-linked inheritance is	1777	Management & Commission of the	45	Holandric inheri	tance		
3512.	Chromosomes Y delet	A CONTRACT OF THE PARTY OF THE	A PROPERTY AND ADDRESS OF THE PARTY OF THE P	fa	Male infertility			
3513.	In haemophilia the ind	AND ASSESSMENT OF THE PARTY OF	A Committee of the Comm		Blood clot			
3514.	A chance that a man w mother is	ill inherit the co	olour blind trait	from a carrier	50%			