	Assignment
	Khadija Saleheen
	Khadija Saleheen 2 nd yeas (Pre-Med) Biology
	Biology
	Siction
	Question # 01:
	MCOs
	A. Unknown XAA
2-	D. both B" and E"
3-	
4.	C- Three
5.	D. Epistasis
	Question # 02:
	Short Question:
	(ñ-)
	Epistasis Pleiotxopy
_	When an effect caused when a single gene effects
5 11	by a gene ox gene paix two ox more traits, the
- 11	al one Locus interfexes phenomenon is called
- 11	with or hides the effect pleiotsopy.
11	aused by another gene or
6.6	yene pais at another
. 13	ocus, it is called epistuis.

· Bombay phenotype shows Such a gene with multiple phenotype effect epistatic effect. Es called pleiotopie. (iii) Polygenetic traits: · A continuously vaxing trait is encoded by alleles of two or more different gene pairs found at different locical influencing the same toait in an additive uny . These quantitative toaits are called polygenetic traits, and their genes are polygenes. Examples Genetics of wheat goain colour. Pasental and non-payental combinations · Four types of gametes are formed two with pasental combinations of linked genes, that is, AB and ab, and two with recombination of genes. that is Ab and aB. . If wossing over does not ours, only the two parental types of gametes are formed. Parental types of gametes produce parental types of offspring while recombination gametes

produce recombinant types of offgring.		
Question # 03:		
Long Question:		
Exythodastosis Feotalis: (Maternal feotal Rh		
incompabibility):		
sexetts when an Rt woman, massied to an		
Rit man conceives a child who is Rht. If the man's		
penotype is DD, all of their offspring [Dd) will be		
Rht. If the man's genotype is Do, half of their		
offspring with Dd genotype will be Rht.		
Effects:		
IF RBC of RHT foetal osuss the placental		
bassies and enter into Rh mother's blood		
stream, the mother's immune system reacts to		
foetal Rh antigen stimulus by producing a		
large number of anti-Rh antibodies.		
when mother's anti-Rh antibodies seep through		
placenta into Good eisculation of fockus, they		
stoot hemolysis (book down) bursting of REC		
of foety. As this darker flow as the con-		
becomes anaemic. The anaemic foeths stasts		
to belease immatuse eighthoblasts int his		

blood stream. . This amenia may read to aboution ox still bioth. Even if the pagnancy continuous, the lives and spleen of foetus swall as they sapidly produce RBC . The breakdown product of RPI's called billoubin also accumulates in the foetalus. · Biliocibin damages his boain cells and turing his skin and whites of eyes yellow. This condition is a journaice. So the Laby if boon allue, suffer from severe homolytic arenia and pundice. · Such babys blood should be sumediately opplaced by Rh blood, tope of antig Rh antibodies. Conditions: . The first Rh incompatible polynamy may not " see face much pooblems of very few of footal antigens cooss placenta into maternal coculation and the amount of maternal antitoday production is not very high when placenta detaches at bioth, a large foetal cells enter mother's

blood stream and stimulate production of large amount of anti-Rh antibalies by the mothers. · These antiRh antibodies poesist in method's blood for a long time and are persistent risk for me next Rh feetus. Treatment: Rh sensitization of RL mother is avoided by a simple therapy. She is given our injection of Rh antiseoum during early prognancy and immedially after birth. The Rh antibodies in the Rh antiseaun will destroy RH RBC of the foothers before mey stimulate production of maternal anti-Rh antibodies. The injected antisesum disappeass before the next Pregnancy.