

TALEEMI DUNYA

Test Syllabus: Unit # 22

St. Name		Test	Biology	T. Marks	30	Time	60 Min
F.Name		Class	12 th	T. Code	U#22	T. Date	

NOTE: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that Question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question. **6x1=6.**

1	Secretors have dominant secretor gene 'Se' on chromosome number ___ :						
(a)	9	(b)	19	(c)	21	(d)	24
2	Novel phenotype of 4'O clock plant flower is an example of:						
(a)	Complete Dominance	(b)	Incomplete Dominance	(c)	Co dominance	(d)	Over Dominance
3	About 50% cases of MODY are caused by mutations in ___ :						
(a)	kiase gene	(b)	galactokinase gene	(c)	glucokinase gene	(d)	proteinase gene
4	ABO blood group system was first discovered in 1901 by :						
(a)	Punnet	(b)	Wiener	(c)	Bernstein	(d)	Landsteiner
5	Locus is a:						
(a)	Part of DNA	(b)	Position of gene	(c)	Partner of gene	(d)	Complement of gene
6	Hemophilia C ___ :						
(a)	Affects both sexes equally	(b)	Affects more men than women	(c)	Affects women more than men	(d)	Is non-allelic recessive sex linked

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Q.2 Write short answers of the following questions.

(6x2=12)

1. How can ABO-incompatibility protect the baby against Rh-incompatibility .
2. Define sex-influenced trait .
3. What is SRY gene.
4. What are multiple alleles? Give an example?
5. Differentiate between gene and gene pool ?
6. Define co-dominance?

Q.3 Answers of the following briefly.

(6+6=12)

- 1 Discuss genetics of ABO blood group system .
2. Explain different patterns of sex determination in animals.