Assignment

Class -12 Subject:Bio Botany

Unit 2 Chapter 2 - Classical Genetics Part - A

I. One mark questions1. The dominant epistatis ratio is	
a) 9:3:3:1	b) 12:3:1
c) 9:3:4	d) 9:6:1
2. Fruit colour in squash is an example o	f
a) Recessive epistasis	b) Dominant epistasis
c) Complementary genes	d) Inhibitary genes
3. The term Genetics was introduced by_	_
a) Gregor Johann Mendel	b) Erich Von Tscermak
c) W.Bateson	d) Carl Correns
4. A gene can exist in alternate forms for	the same trait is called
a) Hybrids	b) Alleles
c) Hereditary units	d) Factors
5. Observable characteristic of an organis	sm is.
a) Genotype	b) Phenotype
c) Hybrid	d) Variation
6. The result of Mendel's dihybrid cross le	ed him to propose
a) Law of dominance	b) Law of segregation
c) Law of independent assortment	d) Law of hybrid
7. It is a genetic cross which involves ind	ividuals diffusing in two charcters
a)Monohybrid cross	b) Trihybridcross
c) Dihybrideross	d) Test cross

8. Introgenic interaction does not include	les
a) Complete dominance	b) Codominance
c) Incomplete dominance	d) Multiple alleles
9. An allele which has the potential to called	cause the death of an organism is
a) Multiple alleles	b) Lethal allele
c) Single allele	d) Dominant allele
10. Dominant epistasis is found in	
a) Antirrhinum	b) Squash fruit
c) Garden pea	d) Wheat
Part – B	
II.Very Short Answer.	
1. Define Genetics?	
2. What is Population Genetics?	
3. What is Codominance?	
4. What are the 4 types of gametes formed by the influence of dihybridcross	
5. What is Dihybrid cross?	
Part – C	
III. Short Answer.1.What is incomplete dominance.	
2. What is epistatic.	
3. What is Reciprocal cross.	
4. Define Genetics.	
5. Define Atavism.	
Part – D	
IV.Write in detail.	
1 .Write the importance of variations.	

2. Explain incomplete dominance in Mirabilis jalapa.