

## Biology 10th Class English Medium Chapter 15 Online Test

Sr	Questions	Answers Choice
1	Charles Darwin proposed that organisms produce many more offspring than can possible survive on the limited amount of resources available to them. According To Darwin, the offspring that are most likely to survive are those that.	<p>A. Are born first and grow fastest</p> <p>B. Are largest and most aggressive</p> <p>C. Have no natural predators</p> <p>D. Are best adapted to the environment.</p>
2	A purple flowered pea plant has the genotype PP, which of the following statements about this plant is FALSE.	<p>A. Its phenotype will be white flowers .</p> <p>B. It has a homozygous dominant genotype.</p> <p>C. When bred to a white flowered plant all offspring will be purple flowered.</p> <p>D. All the gametes produced will have the same flower colour allele</p>
3	Mendel's primary contribution to our understanding of inheritance was:	<p>A. The idea that genes are found on chromosomes</p> <p>B. Explanation of the patterns of inheritance</p> <p>C. The discovery of alleles</p> <p>D. Determining that informations contained in DNA are for protein synthesis.</p>
4	Which of the following statement regarding genes is FALSE.	<p>A. Genes are located on chromosomes</p> <p>B. Genes consist of a long sequence of DNA</p> <p>C. A gen contains information for the production of a protein</p> <p>D. Each cell contain a single copy of every gene.</p>
5	How many genetically different kinds of gametes an individual with genotype AAbb can produce?	<p>A. 1</p> <p>B. 2</p> <p>C. 4</p> <p>D. 9</p>
6	In the cross-pollination between a true-breeding yellow pod plant and a true-breeding green pod plant, where green pod colour is dominant, the resulting offspring will be.	<p>A. 1/4 green , 3/4 yellow</p> <p>B. All yellow</p> <p>C. 1/4 yellow, 3/4 green</p> <p>D. All green</p>
7	An organism's expressed physical trait, such as seed colour or pod shape is called its.	<p>A. Genotype</p> <p>B. Phenotype</p> <p>C. Physical type</p> <p>D. Karyotype</p>
8	The relationship between the alleles I <sup>A</sup> and I <sup>B</sup> of the blood group is:	<p>A. complete dominance</p> <p>B. incomplete dominance</p> <p>C. recessiveness</p> <p>D. co-dominance</p>
9	In dihybrid cross the genotypic ratio of F <sub>2</sub> generation is:	<p>A. 1 : 1 ; 1 : 1</p> <p>B. 1 : 3 : 1 : 1</p> <p>C. 1 : 2 : 2 : 1</p> <p>D. 9 : 3 : 3 : 1</p>
10	ABO blood system is controlled by a gene I The number of alleles I. The number of alleles of this gene are:	<p>A. two</p> <p>B. three</p> <p>C. five</p> <p>D. many</p>
11	The genotype of wrinkled green seeds was:	<p>A. RRyy</p> <p>B. RyYr</p> <p>C. RRYy</p> <p>D. rryy</p>
12	How many contrasting pairs of characters of pea plant were studied bu mendel?	<p>A. one</p> <p>B. three</p> <p>C. five</p> <p>D. seven</p>