

S.Y.B.Sc. zoology

Paper 1 Sem III

1. Who is known as the “Father of Genetics”?
Morgan
Mendel
Watson
Bateson
2. The alternate form of gene is
Alternate type
Recessive characters
Dominant characters
Allele
3. The genotypic ratio of monohybrid cross is
1:2:1
3:1
2:1:1
9:3:3:1
4. How many phenotypes can occur in the human blood group ABO with alleles $I^A I^B i$
2
3
4
1
5. The tendency of an offspring to resemble its parent is known as
Variation
Heredity
Resemblance
Inheritance
6. Which of the following statements is true regarding the “law of segregation”?
Law of segregation is the law of purity of genes
Alleles separate from each other during gametogenesis
Segregation of factors is due to the segregation of chromosomes during meiosis
All of the above
7. Pedigree analysis is
Genetic disorder
Genetic counselling
Genetic inheritance
None of the above
8. When the activity of gene is suppressed by the activity of a non- allelic gene, it is known as
Pseudo- dominance
Hypostasis
Epistasis
Incomplete dominance
9. The term chromosome was coined by _____

Sutton
Boveri
Waldeyer
Hoffmeister

10. Chromosome found in the salivary gland of *Drosophila* is ____

Polytene
Lambrush
Supernumerary
B- chromosome