Biology (New Book) - 10th Class Biology English Medium Chapter 15 Preparation

Q1. What is the difference between transcription and translation ?

Ans 1: Transcription : Copying of DNA - encoded information into RNA-encoded information is called transcription

Ans 2: Translation : Translation is decoding of mRNA information into a sequence of amino acid in a protein

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Q2. Who discovered chromosomes?

Ans 1: Chromosomes were discovered by waldeyer in 1876

Q3. What is test cross?

Ans 1: It is a matching in which an individual showing a dominant phenotype is crossed with an individual showing its recessive phenotype.

Q4. What is linkage?

Ans 1: The phenomenon of staying together of all the genes of a chromosome is called linkage.

Q5. State the law of independent assortment?

Ans 1: When two contrasting pairs of traits are followed in in the same cross, their alleles assort independently into gametes. This called law of independent assortment.

Q6. What is template?

Ans 1: During replication each strand of parents DNA which forms its copies is called template.

Q7. Define heredity?

Ans 1: Transfer of characteristics from parents to off springs is called heredity.

Q8. What is locus?

Ans 1: the position of a gene on the chromosome is called locus.

Q9. many genes are required for appearance of traits ?

Ans 1: Traits with a few phenotypes are determined by a few alleles of a gene . Traits with many phenotypes need many alleles of different gene

Q10. In which condition RBCs are decreased in numbers?

Ans 1: Anemia or anemic condition.