

Quadrant II – Transcript and Related Materials

Programme: Bachelor of Science (First Year)

Subject: Zoology

Paper Code: ZOC 102

Paper Title: Diversity of Chordates and Genetics

Unit: 8

Module Name: Epistasis and Hypostasis-I

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Glossary of terms/words:

- **Allele:** any one of two or more genes that may occur alternatively at a given site (locus) on a chromosome.
- **Dominant:** dominance is the phenomenon of one variant (allele) of a gene on a chromosome masking or overriding the effect of a different variant of the same.
- **Epistasis:** A gene is said to be epistatic when its presence suppresses the effect of a gene at another locus.
- **Gene:** A gene is the basic physical and functional unit of heredity. Genes are made up of DNA.
- **Hypostasis:** A hypostatic gene is one whose phenotype is altered by the expression of an allele at a separate locus, in an epistasis event.
- **Inheritance:** Inheritance is the process by which genetic information is passed on from parent to child.
- **Locus:** A locus is the specific physical location of a gene or other DNA sequence on a chromosome.
- **Phenotype:** The term "phenotype" refers to the observable physical properties of an organism.
- **Recessive:** A recessive gene is a gene whose effects are masked in the presence of a dominant gene.