

Quadrant II – Transcript and Related Materials

Programme : Bachelor of Science (Second Year)

Subject : Zoology

Course Code : ZOC 104

Course Title : Animal Physiology and Biochemistry

Unit : Unit 10 - Enzymes

Module Name : Enzymes : Nomenclature and Classification

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Glossary of terms/words:

1. **Oxidation** – Loss of electrons during a chemical reaction from one atom to another.
2. **Reduction** - Gain of electrons during a chemical reaction from one atom to another.
3. **Ligation** – Reaction involving formation of bond using energy from ATP.
4. **Group transfer** – Transfer of functional group from one atom to another in a molecule or from one molecule to another.
5. **Hydrolysis** – Cleavage of covalent bond, such as peptide bond, by addition of elements of water, yielding two or more products.
6. **Functional Group** – Specific atom or group of atoms that confer a particular chemical property on a biomolecule.