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***COURSE: BCH 202***

***MAT NO: 17/MHS06/036***

***ASSIGNMENT***

**Q1. Write on the biochemical importance of co-enzymes?**

**1 . ANTIOXIDNTS : Many co-enzymes are created for capturing electrons, they then function as antioxidants. Certian co-enzymes such as: ASCORBIC ACID are used as medical care for heart attack.**

**2 TRANSFERRING GROUP: It aids in trasferring certian groups of atoms from one molecule to another. The co-enzyme NADH in partiular begins in a cell. The co-enzyme NADH transport 4 hydrogen atoms from one part of the mitochrondria to the next.**

**3 REDOX REACTION: In co-enzymes redox reaction aids in the loss or gain of electrons for NADH to be able to transfer the hydrogen atoms, th co-enzyme donates 2 elctrons to co-enzyme Q . NADH then becomes NAD+ entering an oxidized state because it lot electrons.**

**4 ENERGY PRODUCTION: Energy production is a primary form of co-enzyme which helps with the prodution of energy. Specifically the co enzyme ATP is important in moving energy within the cell.**