



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORK SHEET - 1

Sub: LIFE SCIENCES

Class: IX

F. M.: 1X15

Topic: Biomolecules: Carbohydrates and Proteins Date: 07.04.2020

---

### A) Choose the correct option:

(1x15=15)

- Which atom is the integral part of all organic molecules:  
a) Helium b) Carbon c) Phosphorus d) Selenium
- Which of these is not a macronutrient:  
a) Ca b) S c) Mo d) C
- The ratio of Hydrogen and Oxygen in carbohydrates is:  
a) 2:1 b) 1:2 c) 2:3 d) 3:1
- Amino acids are chemically made up of the following :  
a) C,H,K,Ca,O b) C,H,K,P,Zn c) C,H,O,N,S d) C,P,Cu, Zn,H
- The five carbon sugar present in DNA is :  
a) Ribose b) Erythrose c) Deoxyribose d) Cellulose
- Which of these is a macromolecule:  
a) Polysaccharide b) Lipids c) proteins d) all of these
- Which of these is an essential amino acids:  
a) Proline b) Glutamic acid c) Tyrosine d) Methionine
- Glycoside bond is found in :  
a) Protein b) Oligosaccharides c) Monosaccharides d) Lipids
- Proteins are involved in the following functions:  
a) Structural support b) Bodily movement c) Defense d) All of these
- Chief chemical component of all hormones (excepting steroid hormones):  
a) Lipids b) Proteins c) Carbohydrates d) Vitamins
- Proteins that help the body to fight infection:  
a) Antibody b) Enzyme c) Hormone d) None of these
- Universal solvent is :  
a) Water b) Oil c) Alcohol d) Acid
- In a polypeptide , amino acids are connected by -  
a) Glycosidic bond b) Peptide bond c) Disulphide bond d) Hydrogen bond
- Acids and bases react to form :  
a) Salt b) Water c) Double salt d) fatty acids
- Which of the following is nucleic acid:  
a) RNA b) DNA c) Lactic acid d) Both (a) and (b)

Shaista Ahmed

