

**GIRLS' HIGH SCHOOL AND COLLEGE**

**2020-2021**

**Class XII**

**CHEMISTRY**

**WORKSHEET NO. – 1**

**Note:** - Parents please ensure that your ward refers to the given reference books and website at least for two days.

**Reference Books** – Nootan ISC Chemistry- Vol II Class XII- H.C. Srivastava

**Website** – [www.wikipedia.org](http://www.wikipedia.org)

[www.studiestoday.com](http://www.studiestoday.com)

[www.khanacademy.org](http://www.khanacademy.org)

**Chapter- Biomolecules**

Q1. Answer the following questions:

- a) What are the products of hydrolysis of sucrose?
- b) What is the denaturation of protein?
- c) State difference between globular and fibrous protein.

Q2. What happens when D-glucose is treated with: -

- a) HI
- b) HNO<sub>3</sub>

Q3. What are the essential and non-essential amino acids? Give an example of each type.

Q4. Amino acid is amphoteric in nature. Explain.

Q5. Name 2 water soluble vitamins and the diseases caused by their deficiency.

Q6. a) Name purine and pyrimidine bases present in DNA and RNA.

b) Name the vitamin whose deficiency causes: -

1. Pernicious anaemia
2. Xerophthalmia

Q7. Enzymes are known as biocatalyst. Explain.

Q8. How will you distinguish between glucose and fructose? (Chemical Test)

Q9. What are oligosaccharides?