

Full Name :.....

**1<sup>st</sup>Semester English Examination**

**PART ONE**

Read the text then do the activities that follow

Biochemistry or biological chemistry is the study of chemical processes relating to living organisms .It is a sub- discipline of chemistry and biology .and it can be divided into three types : structural biology ,enzymology and metabolism over the last decades of 20th century ,biochemistry has become successful at explaining the processes of living processes through these three disciplines.

Much of biochemistry deals within the structures ,functions and interactions of biological macromolecules like proteins , nucleic acids , carbohydrates and lipids. The chemistry of the cell also depends upon the reactions of small molecules and ions .These can be inorganic for example , water and metal ions or organic for example , the amino acids which are used to synthesize proteins. The findings of biochemistry are applied in Medecine , nutrition and agriculture.

**Comprehension :**

**1) Answer the following questions according to the text 06pts**

- a) What does biological chemistry study ?**1.5 pts**
- b) What are the branches of biochemistry ?**1.5 pts**
- c) What is meant by biological macromolecules ?**1.5 pts**
- d) Pick out from the text some organic and inorganic elements **1.5 pts**

**2) Give a title to the text ..... 2pts**

**3) Give 5 terms related to chemistry 5pts**

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**4) Fill in gaps with the following terms 6pts**

**Pain relievers , detergent , smell , headache, taste ,touch**

Chemistry helps you to understand the world around you .Cooking is chemistry .Every thing you can ...**1pt**.....or .....or .....is a chemical . When you study chemistry ,you come to understand a bit about how things work .Chemistry is not secret knowledge ,useless to anyone but a scientist .It is the explanation for everyday things ,like why laundry ..... Works better in hot water or how baking soda works or why not all ..... work equally well on a .....If you know some chemistry , you can make educated choices about everyday product that you use .