***Larbi Ben Mhidi University Name ……………***

***Faculty of Science and Applied Science : Department of Biology : Biochemistry***

**First Semester Examination**

**Task one**: fill in with the correct term 12 نقطة

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**Down**

1 Retains the original ideas and length of a material ,yet restructring it .

2 A a birds-eye approach of looking for information with the goal of locating particular facts.

3 The structure of an article

4 Caused by Plasmodium falciparum, Vivax

5 Scan the text to get a general grasp of what it’s about.

**Across**

6 Re-write in your own words what you’ve read. How would you summarize it? How would you explain it to a friend?

7 Combine and contrast information from different sources.

8 Shows what the orginal auther wrote

9 The conversion of energy available for cellular processes

10 Technique used to preview a passage to decide if it's worth reading.

11 To Form some questions about the text and about what you might be interested in learning,yet before reading .

12 Scientific study of life, encompassing all aspects of living organisms and their vital processes.

**Task two :** translate the following

Biochemistry is the study of the chemical processes and substances that occur within living organisms. It combines the principles of biology and chemistry to understand the molecular mechanisms that underpin the structure, function, and regulation of biological molecules. This field encompasses a wide range of topics, including the structure and function of biomolecules (such as proteins, nucleic acids, carbohydrates, and lipids), metabolism, and the biochemical basis of diseases. In essence, biochemistry seeks to explain biological phenomena in terms of the chemical and physical principles that govern them

To Arabic

الكيمياء الحيوية هي دراسة العمليات والمواد الكيميائية التي تحدث داخل الكائنات الحية. يجمع بين مبادئ علم الأحياء والكيمياء لفهم الآليات الجزيئية التي تدعم بنية الجزيئات البيولوجية ووظيفتها وتنظيمها. يشمل هذا المجال مجموعة واسعة من الموضوعات، بما في ذلك بنية ووظيفة الجزيئات الحيوية (مثل البروتينات والأحماض النووية والكربوهيدرات والدهون) والتمثيل الغذائي والأساس الكيميائي الحيوي للأمراض. في الأساس، تسعى الكيمياء الحيوية إلى شرح الظواهر البيولوجية من حيث المبادئ الكيميائية والفيزيائية التي تحكمها. 3 نقاط

انطفات النيران وخرجت مريم منتصرة تحكي قصتها في كل مكان بالتفصيل الممل ويعلو وجهها إمارات فرح شيطانية عادت إلى الناس وقد داوت جروحها ولكنهم لا يملكون صبر على الاستماع إلى مغامراتها أبد الدهر.

To English 3 نقاط

The fires were extinguished and Mariam came out triumphant telling her story everywhere. There was a devilish glee up her face. She was back to the people she knew and she had treated her injuries, but they were too impatient to listen to her adventures forever.