

PART I (12 marks)

❖ Fill in the gaps in the sentences according to the definitions. The first two letters are given.

1-The hepatitis B virus is present throughout the world and the cause of **re**..... epidemics, (*repeated, again and again*)

2-A A major health problem is that medical facilities are not **ev**..... distributed across the country, (*regularly, equally*)

3-The strength of a steel alloy depends on the **ra**of iron to carbon.(*mathematical relationship of proportion*)

4-The blood vessels of the fetus can be seen through theskin,(*≠ thick*)

5-The experiment enables the students to **wo**..... the rate of cell mitosis, (*calculate, two words*)

6-Under stress, the heart **pu**..... faster.(*beats*)

7-The volume of the amniotic fluid is **ro**..... 60 ml. (*about, approximately*)

8-Six days after fertilization, the embryo consists of a **cl**..... of 100-300 cells, (*agglomeration, concentrated group*)

9-The fetus mo..... its own temperature from 30 weeks onwards. (*controls, follows*)

10-The cell chronobiology is the study of the **da**..... changes in the cell activities.(*over a period of 24 hours, circadian rhythm*)

❖ Supply the missing words

Gases consist of molecules that are in fast motion.

Glaciers are formed by a process of sublimation and recrystallisation.

The climate during the Pleistocene period was responsible for the extinction of many species.

The "Spirit of St Louis" made the first transatlantic flight in 1927.

Pulsars emit short bursts of radiation about once per second.

- a. recurrent
- b. fluctuating
- c. periodic
- d. random
- e. non-stop

Part II (8 marks)

1-What is the definition of the **prefix** and the **suffix**?

definition:.....

2-What is the main part of the biological term?

.....

3-Why is Terminology so important ? give only one argument .

.....

Break down these terms by mentioning word elements and the origin and the meaning of each element .

		meaning	
	Osteoma	.....	origin
prefix	.....	.....	.....
stem	.....	.....	.....
suffix	.....	.....	.....

		meaning	
	Dermalgia	.....	origin
prefix	.....	.....	.....
stem	.....	.....	.....
suffix	.....	.....	.....

4-Complete the table :

Word Part (word element)	Word Part (word element) Meaning	Word element) Example	Meaning of Example
.....	Outside	Extracellular	.....
.....	Self	.....	Self feeder (can make their own energy, usually by photosynthesis)
.....	.....	-Heterozygous	-Offspring gets different forms of same trait (Tt).
trans-	.....	.....	-Across a cell membrane

5-Give the opposite of these terms: **heterozygous** ≠; **autotroph** ≠

Good luck