

PART I (10 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-The hearing **ra**.....of bats is enormous; it goes from 50 to 100,000 cycles, (*from the lowest to the highest limit, extent*)

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*)

Part II (10 marks)

❖ Complete the columns by giving the adjective, the noun and the verb:

adjective	noun	verb
moving
.....	Strengthen
.....	weight

Make sentences using the following words.

- harden** / bones / begin / 13th week
- lengthen** / femur / 4th week / considerably
- thicken** / the wall / uterus / fertilisation