

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.cu.r.re.n.t** epidemics, (*repeated, again and again*)
- 2-The hearing **ra.n.g.e**.....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.t.i.o** of iron to carbon. (*mathematical relationship of proportion*)
- 4-The blood vessels of the fetus can be seen through the **th.in**.....skin, (*≠ thick*)
- 5-The experiment enables the students to **wo.r.k.o.u.t**..... the rate of cell mitosis, (*calculate, two words*)
- 6-Under stress, the heart **pu.l.s.a.t.e.s**..... faster. (*beats*)
- 7-The volume of the amniotic fluid is **ro.u.g.h.l.y**..... 60 ml. (*about, approximately*)
- 8-Six days after fertilization, the embryo consists of a **cl.u.s.t.e.r**..... of 100-300 cells, (*agglomeration, concentrated group*)
- 9-The fetus **mo.n.i.t.o.r.s**... its own temperature from 30 weeks onwards. (*controls, follows*)
- 10-The cell chronobiology is the study of the **da.i.l.y**..... 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:

$0,5 \times 6 = 3$

adjective	noun	verb
moving	move ; movement	move
strong	strength	Strengthen
heavy	weight	weigh

Make sentences using the following words.

$2,5 \times 3 = 7,5$

1. **harden** / bones / begin / 13th week **The bones begin to harden in the 13th week. In the 13th week, The bones begin to harden.**
2. **lengthen** / femur / 4th week / considerably **The femur lengthens considerably in the 4th week. In the 4th week, The femur lengthens considerably.**
3. **thicken** / the wall / uterus / fertilisation **After fertilisation, the wall of the uterus thickens.**

Good luck