PART- I : **(10)**Fill in the gaps in the sentences according to the definitions. The first two letters are given.

(1)1- The blood vessels of the fetus can be seen through the **thin** skin. *(≠ thick)*

(1)2- The fetus **monitors** its own temperature from 30 weeks onwards. *(controls, follows)*

(1)3-The strength of a steel alloy depends on the **ratio** of iron to carbon.*(mathematical relationship of proportion)*

(1)4- The cell is the **lowest** level of structure capable of performing all the activities of life. **(≠highest)**

(1)5-The experiment enables the students to **work out** the rate of cell mitosis, *(calculate -two words)*

(1)6-The **mean** diameter of most cells is 1-100 μm which can be visualized by light microscope. **(average)**

(1)7-The volume of the amniotic fluid is **roughly** 60 ml. *(about, approximately)*

(1)8-Six days after fertilization, the embryo consists of a **cluster** of 100-300 cells, *(agglomeration, concentrated group)*

(1)9- Some organisms consist of a **unicellular** organism, others are multicellular aggregates of specialized cells. (≠ multicellular)

(1)10- There are **about** $5×10^{30}$ bacteria on Earth.**(approximately)**

PART- II : **(8)**

A)Write a question about the underlined words.

  ➢ **In 1665**, Robert Hooke observed and named the first cells from slice of cork. **(2.5)**
When did Robbert Hooke observe and name the first cells?
0.5   0.5   0.25   0.5   0.25   0.5

  ➢ In 1839, Matthais Schleiden and Theodor Schwann proposed **the cell theory**. **(2.5)**

What   did   Shneider M and Shwann T propose in 1839?
0.5   0.5   0.25   0.5   0.25   0.5

B) Give a simple definition of "**virus**": **(1)**

The virus **is** a non-living genetic particle.
subject   To be   object

C) Complete the following expressions:

    To obtain the area of a rectangle, you **multiply** the length **by** the width. **(0.5)**

OR

The area of a rectangle is its height **times** its width. ((0.5))

X^{-15} : x **to the power** minus fifteen((0.5))

x to the minus fifteenth. (0.5)