

PART-I: (10 marks)

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

- 1- Glycolysis, the metabolic pathway that converts glucose $C_6H_{12}O_6$ into pyruvate, is a series of reactions in which the result of each **st** causes the next, (*step, part of the process*)
- 2- The **me**..... diameter of most cells is 1-100 μm which can be visualized by light microscope. (*average*)
- 3-The **st**..... of a steel alloy depends on the ratio of iron to carbon.(*the noun of the verb to strengthen*)
- 4- Bacteria inhabit soil, water, acidic hot springs and the **de**..... portions of Earth's crust. (*≠ shallow*)
- 5- The cell is the **lo**.....level of structure capable of performing all the activities of life. (*≠highest*)
- 6- The first cells were **mo**..... (*observed*) and named by Robert Hooke in 1665 from slice of cork.
- 7-The volume of the amniotic fluid is **ab**..... 60 ml. (*approximately*)
- 8- Changes in the density of the blood vessels were **re**..... daily. (*registered*)
- 9- the vascularized phase in which the tumour growth **sp**..... (*≠ slows down, two words*)
- 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: Complete the following expressions (3 marks)

- It 15mdepth;
- It is 15 m
- It a of 15 m;
-depth is 15m.

Part-III: Give the definition of “ **the bacterium**”. (1 mark)

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Good luck