

B. Sc. Part I (Part – I) Semester I (NEP) Examination, Oct./Nov. 2023

Botany Paper II

Sub. Code:88181

Total Marks: 40

Day and Date: Thursday, 09/11/2023

Time: 02.30 am to 04.30 pm

Q1). Select appropriate alternative from the following and re- write the sentence. 08

- 1). Full form of TLC is.....
 - a. Thick layer chromatography
 - b. Thin level chromatography
 - c. Thin layer chromatography
 - d. Thick level chromatography
- 2). Meiosis takes place in..... Cells.
 - a. Reproductive b. Vegetative
 - c. Somatic d. All of the above
- 3).....are pioneer in the use if the Microscope.
 - a. Galileo galilei and Cornelis drebbel
 - b. Hook c. Melvin d. Brown
- 4). Nucleus is present in.....
 - a. Bacteria b. Virus c. BGA d. Cell
- 5).....is associated with the cellular respiration and are called 'power house of the cell'.
 - a. Chloroplast b. Mitochondrion
 - c. Perioxisome d. Lysosomes
- 6). The process of the cell division occurs in special regions of the plant called.....
 - a. Meristem b. Leaf c. Flower d. Fruits
- 7). Karokinesis is followed by..... Where two daughter cells are formed.
 - a. Cytokinesis b. Prophase
 - c. Metaphase d. Anaphase
- 8). The term cell was first used by.....
 - a. Lederberg b. Msx knoll
 - c. Robert hook d. Brown

Q2). Attempt any TWO of the following.

(16)

- 1). Define cell cycle and describes its various phases?
- 2). Described principal, construction, working and application of compound light microscope
- 3). Write an eassy on 'Cell as a biochemical entity'.

Q3). Attempt any FOUR of the following.

(16)

- 1). Structure of the plant cell wall.
- 2). Difference between meiosis and mitosis.
- 3). Principal of Chromatography.
- 4). Ultrastructure of Chloroplast.
- 5). Types of Endoplasmic reticulum.
- 6). Function of Cell wall.