



**Holidays Home Work #1**

**Class: IX-A**

**Subject: Biology**

**Total Marks: 50**

**Name: \_\_\_\_\_ Admission No. \_\_\_\_\_**

**Instructions:**

- Home Work-1 has been designed for the month of June and has to be completed till 30<sup>th</sup> June.
  - It comprises all the compulsory questions and carries 50 Marks.
  - Students must write answers/ responses on foolscap sheets.
  - Both, Home Work 1 & 2, collectively, will carry 10 Marks in Mid-Term / Pre-Send Up exams.
  - Submission Date will be due **20<sup>th</sup> July, 2022**.
  - Students must drop their home work at school gate till submission Date.
- Note:** Home work is designed according to the requirements of BISE Lhr.

**Section I**

**Q. Give short answer any five questions**

**5x2=10**

1. Write names of three main division of biology?
2. Differentiate between Morphology and Histology?
3. What do you mean by parasitology and biotechnology?
4. Differentiate between Micro molecules and macromolecules with examples.
5. Briefly explain tissue level.

**Q. Give short answers of the following questions:**

**5x2=10**

1. Differentiate between population and community.
2. Differentiate between quantitative and qualitative observation.
3. Write two characteristics of good hypothesis.
4. What is meant by an experimental and control group in an experiment?
5. What is scientific Law? Give two examples.

**Q. Give short answers of the following questions.**

**5x2=10**

1. What are the main principles of cell theory?
2. Differentiate between exocytosis and endocytosis.
3. What is the difference between interphase and mitotic phase?
4. What events take place during prophase?
5. Describe the structure and function of Centrioles with diagram?

**Section II**

**Answer these questions.**

**(10 x 2= 20)**

Q1a). Define Binomial Nomenclature, write its rules and significance with examples.

b). Describe cell organization on unicellular, colonial and multicellular level.

Q2a). Describe the structure and function of endoplasmic reticulum and Golgi apparatus with diagram?

b). Define cell cycle? Describe its phases with diagram.

