



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 17.06.2020

CHAPTER: HEREDITY & COMMON GENETIC DISEASES

TOPIC: HEREDITY & VARIATION

### WORKSHEET SOLUTION 39

**Choose the correct option:**

**(1X15=15)**

1. Which of the following is regarded as the ultimate source of variation?

**c. Mutation**

2. Who is considered as the Father of Genetics?

**b. Mendel**

3. The manifestation of differences among different individuals is called

**d. Variation**

4. The study of genetics involves

**d. All of these**

5. The concept of particulate theory of inheritance came from

**c. Mendel**

6. Which of the following is not related to mutation?

**a. It is a common event**

7. Blue eye colour of human beings is a

**b. Trait**

8. Alternative forms of a gene is known as

**d. Both b&c**

9. Variable features like free ear lobe & attached ear lobe are

**b. Morphological variation**

10. Which of the following is dominant?

**a. Free ear lobe**

11. The ear lobe feature in human is controlled by

**a. Single gene**

12. Which of the following is not an example of continuous variation in human?

**d. Ear lobe feature**

13. Which of the following may lead to mutation?

**c. Both a&b**

14. The alleles for a particular trait occurs in

**d. Both a&b**

15. Which of the following is a character?

**c. Height of pea plant**

-Debjani Chakraborty