



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 07.11.2020

CHAPTER: HEREDITY & COMMON GENETIC DISORDER TOPIC: **MENDEL'S WORK ON PEA PLANT**
WORKSHEET SOLUTION 42

Choose the correct option:

(1X15=15)

- The phenotypic result of the Mendel's Dihybrid cross is
c. 9:3:3:1
- Mendel carried out experiments on pea plants to understand mechanism of
b. Heredity
- Stamen of the flower of pea plant includes the _____ reproductive part.
a. Male
- The genotypic ratio of Mendel's monohybrid cross of pea plant is
c. 1:2:1
- Which type of process does Pea plants normally undergo?
d. Both 1&2
- Mendel prevented self-fertilization in pea flower by removing stamens _____ pollen is produced.
a. Before
- How many of the characters were chosen by Mendel to study the breeding experiments?
b. 7
- The dominant trait for pod colour of pea plant is
a. Green
- Mendel performed his experiments with pea plant which included
c. Both 1&2
- For which of the following reason did Mendel choose pea plant for his experiments?
c. Both 1&2
- In F₂ generation of monohybrid cross of pea plant, the female gametes were
d. Both 1&2
- The recessive trait for pod shape of pea plant is
a. Constricted
- The second Filial generation of Mendel's monohybrid cross produces ___ green offsprings
c. 25%
- The process of fertilization of female and male gamete of the same plant is called
a. Selfing
- A true breeding plant is
a. Homozygous

-Debjani Chakraborty