



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 21.11.2020

**CHAPTER: HEREDITY & COMMON GENETIC DISORDERSTOPIC: INCOMPLETE DOMINANCE & SEX DETERMINATION**

## WORKSHEET SOLUTION 46

**Choose the correct option:**

**(1X15=15)**

- In Incomplete dominance, phenotype of the offsprings produced are  
**b. Intermediate**
- Incomplete dominance can be observed in  
**c. Both a&b**
- The phenomenon of incomplete dominance is observed by crossing pure red flowered plants &  
**b. Pure white flowered plant**
- In incomplete dominance, phenotype of the hybrid plants are \_\_\_\_\_ as that of dominant homozygote  
**b. Different**
- The phenotype of the F1 offsprings in the cross showing incomplete dominance  
a. The F2 phenotypic ratio of incomplete dominance is  
**b. 1:2:1**
- What percentage of F1 off springs are pink in incomplete dominance?  
**d.100%**
- The F2 genotypic ratio of incomplete dominance is  
**c. 1:2:1**
- Two red alleles produces \_\_\_\_\_ dose of pigment to form red flower.  
**b. Double**
- Two white alleles when present, the homozygote produces  
**c. White flower**
- What percentage of F2 White flowered plants are produced in incomplete dominance?  
**c.25%**
- The genetic constitution for which a feature gets expressed in an organism is called  
**b. Genotype**
- The term sex means  
**a. Sexual phenotype**
- Human Male is considered to be  
**a. Heterogametic**
- The gametes produced by human female contains  
**a. X chromosome**
- The sex of the offspring produced depends on the type of gamete produced by the  
**b. Father**

-Debjani Chakraborty