



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 46

Choose the correct option:

(1X15=15)

- In Incomplete dominance, phenotype of the offsprings produced are
a. Extreme b. Intermediate c. Both a&b d. None of these
- Incomplete dominance can be observed in
a. Four o'clock plant b. *Mirabilis jalapa* c. Both a&b d. None of these
- The phenomenon of incomplete dominance is observed by crossing pure red flowered plants &
a. Hybrid white flowered plant b. Pure white flowered plant
c. Pink flowered plant d. Both a&c
- In incomplete dominance, phenotype of the hybrid plants are _____ as that of dominant homozygote
a. Same b. Different c. Can't be determined d. None of these
- The phenotype of the F1 offsprings in the cross showing incomplete dominance
a. The F2 phenotypic ratio of incomplete dominance is
a. 1:3:1 b. 1:2:1 c. 2:1 d. 9:3:3:1
- What percentage of F1 off springs are pink in incomplete dominance?
a. 50% b. 75% c. 25% d. 100%
- The F2 genotypic ratio of incomplete dominance is
a. 1:3:1 b. 9:3:3:1 c. 1:2:1 d. None of these
- Two red alleles produces _____ dose of pigment to form red flower.
a. Single b. Double c. Triple d. Both a&b
- Two white alleles when present, the homozygote produces
a. Red flower b. Pink flower c. White flower d. Violet flower
- What percentage of F2 White flowered plants are produced in incomplete dominance?
a. 50% b. 75% c. 25% d. 100%
- The genetic constitution for which a feature gets expressed in an organism is called
a. Phenotype b. Genotype c. Dominance d. Both a&c
- The term sex means
a. Sexual phenotype b. Sexual genotype c. Both a&b d. None of these
- Human Male is considered to be
a. Heterogametic b. Homogametic c. Hemigametic d. None of these
- The gametes produced by human female contains
a. X chromosome b. Y chromosome c. Both a &b d. Z chromosome
- The sex of the offspring produced depends on the type of gamete produced by the
a. Mother b. Father c. Both a&b d. None of them

-Debjani Chakraborty