



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 18.06.2020

CHAPTER: HEREDITY & COMMON GENETIC DISEASES

TOPIC: TERMS RELATED TO
HEREDITY PART 1

WORKSHEET SOLUTION 40

Choose the correct option:

(1X15=15)

1. Locus can be considered as the specific location of
d. All of these
2. A locus has an alternative form of a gene for a particular
b. Trait
3. The term Gene was first used by
c. Johanssen
4. The locus of the trait for white eye colour in *Drosophila* is on X chromosome. Where is the trait for red eye located?
c. X chromosome
5. A gene is located at a specific region of 21st chromosome of a father. What will be the location of that gene in the son?
b. Same location of 21st chromosome
6. Which of the following relationships between two alleles is mainly determined by the monohybrid cross?
a. Dominance
7. Monohybrid cross gets its name as it is a cross involving
b. One phenotypic character
8. The phenotypic ratio of the of a monohybrid cross in pea plant is
c. 3:1
9. A dihybrid organism is
b. Heterozygous at 2 different loci
10. Smooth yellow traits of seed of pea plant is
b. Dominant
11. The F₂ phenotypic ratio of dihybrid cross performed in pea plants is
c. 9:3:3:1
12. Pea plants bearing red flowers are
d. Either a&c
13. The genotype bb indicates the condition of
b. Homozygous recessive
14. Which of the following is related to Hybridization?
c. Both a&b
15. The allelic combination of a heterozygous individual is
b. Pp

-Debjani Chakraborty