



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 23.11.2020

CHAPTER: HEREDITY & COMMON GENETIC DISORDERS

TOPIC: SEX DETERMINATION &  
COMMON GENETIC  
DISORDERS

WORKSHEET SOLUTION 47

**Choose the correct option:**

**(1X15=15)**

1. The Y chromosome in human male is usually

**b. Acrocentric**

2. What kind of an offspring is formed if an egg gets fertilized by a sperm having Y chromosome?

**a. Male**

3. Pseudoautosomal region are present in

**c. Both a&b**

4. Which gene is present in Pseudoautosomal region?

**c. sme**

5. People with Klinefelter syndrome has

**c. XXY**

6. The people with Turner syndrome (XO) develop as

**a. Female**

7. Male secondary sexual characters are determined by

**d. Testosterone**

8. The gene located outside the Pseudoautosomal region is

**a. SRY**

9. Which of the following chromosome is genetically inert?

**b. Y**

10. Which of the following are X –linked recessive characters?

**c. Both a&b**

11. Defective formation of which clotting factors lead to haemophilia?

**d. Both a&b**

12. The chance of Thalassemia major child when both parents are Thalassemia minor is

**c.25%**

13. What is the usual percentage of men being colour-blind?

**c.8%**

14. Which of the following are autosomal dominant traits?

**c. Huntington's disease**

15. Iron overload in human body can lead to

**d. All of these**