



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 24.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: INTER-RELATIONSHIP AMONG  
CHROMOSOME, DNA & GENE & TYPES OF CHROMOSOMES

WORKSHEET SOLUTION 16

Choose the correct option:

(1X15=15)

1. The character of all living organisms result from the interaction of  
**c. Both a & b**
2. Continuity of generation is obtained by  
**a. Cell division**
3. Which of the following is the specific location of DNA in Eukaryotic cells?  
**c. Chromosome**
4. Number of hydrogen bonds present between each Guanine & Cytosine pair in DNA is  
**c. Three**
5. By which of the following is DNA made of?  
**b. Polynucleotides**
6. Which of the following is the correct pair of bases?  
**d. Both a & b**
7. The tightly wound DNA inside the nucleus represents  
**a. Chromosome**
8. Chromosome is composed of  
**d. Both a & b**
9. The Human chromosome 15 is shorter than  
**a. Chromosome 2**
10. Which of the following type of chromosomes are placed side by side in Karyogram?  
**a. Homologous Chromosome**
11. Which of the types of chromosomes form Partial homologous pair in Karyogram?  
**d. Both b & c**
12. Which of the following is termed as functional segments of DNA?  
**c. Gene**
13. Which of the following chromosomes has different structure in different sexes of human?  
**b. Chromosome 23**
14. Which of the following is a heterogametic sex in human?  
**a. Male**
15. In Karyogram of Human which of the following chromosomes is shortest?  
**b. Y Chromosome**

-Debjani Chakraborty