



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 25.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: CHROMOSOME NUMBER,
STRUCTURE&COMPOSITION OF CHROMOSOME

WORKSHEET SOLUTION 17

Choose the correct option:

(1X15=15)

- The polarity of DNA molecule is obtained by the numbering of the
c. Sugar
- Which of the following is the diploid number of chromosome for dog?
b.78
- How many set(s) of chromosome are inherited by human beings from each of the parents?
a. one
- Only the sex cells have haploid numbers due to the process called
b. Meiosis
- The thin filaments of chromosomes during the mitotic prophase is called
c.Both a& b
- The bead like accumulations along the length of the chromosome during Interphase of cell cycle is
b. Chromomere
- The overall charge of DNA molecule is
b. Negative
- How many protein subunits make up the Histone core protein?
d. 8
- Which of the following terms are related to the Histone proteins?
d. Both a&b
- Nucleosomes are composed of
d.Both a &b
- The constriction point of each chromosome is called
c. Centromere
- The location of centromere in chromosome is important for
c. Both a&b
- Chromatin is composed of
d.All of these
- The RNA content of chromatin is
d.0.5-1%
- Which of the following terms are related to the sugar of DNA?
b. 5-carbon

-Debjani Chakraborty