



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 28.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: STRUCTURE OF CHROMOSOME

WORKSHEET 19

Choose the correct option:

(1X15=15)

- Which of the following is the functional segment of DNA?  
a. Chromatin                      b. Chromosome                      c. Gene                      d. Both a&c
- In which region of chromosome is repetitive DNA sequence mostly found?  
a. Tip                      b. Centre                      c. Interstitial                      d. Both b&c
- Which of the following is present distal to the secondary constriction?  
a. Telomere                      b. Satellite                      c. Centromere                      d. None of these
- The exact location of attachment of spindle fibres in the chromosome is  
a. Centromere                      b. Kinetochore                      c. Secondary constriction                      d. Telomere
- Which of the following is not a SAT chromosome in human?  
a. Chromosome 21                      b. Chromosome 22                      c. Chromosome 16                      d. Chromosome 13
- Which of the following human chromosome contain Satellite?  
a. Chromosome 15                      b. Chromosome 21                      c. Chromosome 14                      d. All of these
- Which of the following part of Chromosome protects ends of Chromosome?  
a. Telomere                      b. Satellite                      c. Centromere                      d. None of these
- Satellite contains more  
a. Euchromatin                      b. Heterochromatin                      c. Both a&b                      d. None of these
- Which type of chromosome shows a single arm during anaphase of cell division?  
a. Metacentric                      b. Acrocentric                      c. Sub-metacentric                      d. Telocentric
- Which type of chromatids get separated during anaphase of cell division?  
a. Sister chromatids                      b. Non-sister chromatids                      c. Both a & b                      d. None of these
- During which phase of cell division does chromosome appear thickest?  
a. Prophase                      b. Metaphase                      c. Anaphase                      d. Telophase
- What is the longer arm of a acrocentric chromosome called?  
a. p arm                      b. q arm                      c. z arm                      d. m arm
- At which region of chromosome is folding possible?  
a. Secondary constriction                      b. Telomere                      c. Primary constriction                      d. Both a&c
- Nucleolar organizer chromosome contains  
a. Satellite                      b. Secondary constriction                      c. Both a&b                      d. None of these
- NOR contains huge number of genes for which of the following type of RNA?  
a. s RNA                      b. r RNA                      c. t RNA                      d. m RNA

-Debjani Chakraborty