



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 27.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: PARTS & COMPOSITION OF CHROMOSOME

WORKSHEET 18

Choose the correct option:

(1X15=15)

- Which of the following phase of Mitosis is the best for study of chromosome morphology?
a. Prophase b. Metaphase c. Anaphase d. Telophase
- How many DNA molecules are present in each chromatid?
a. One b. Two c. One pair d. Two Pairs
- What is the other name of Centromere of a chromosome?
a. Primary constriction b. Secondary Constriction c. Both a and b d. None of these
- The Central plate present in the centromere is known as
a. Kinetosome b. Centrosome c. Kinetochore d. Both b & c
- The term chromosome was given by
a. W. Flemming b. Waldeyer c. Robert Brown d. None of these
- How does a Kinetochore look like?
a. Trilamellar protein b. Bilamellar protein c. Globular protein d. Lamellar lipid
- Which of the following subunit of Histone protein binds to the Linker DNA in Nucleosome model?
a. H2A b. H2B c. H1 d. H3
- How many copies of histone sub units make up one histone core protein?
a. One b. Two c. Three d. Four
- Most of the structural genes are present in
a. Euchromatin b. Heterochromatin c. Histone d. None of these
- Which part of chromatin doesn't undergo Transcription?
a. Euchromatin b. Heterochromatin c. Both a&b d. None of these
- Which of the type of protein remain associated with Chromosomes?
a. Histone b. Non histone c. Both a&b d. None of these
- Which of the following shapes is taken up by the Sub-metacentric chromosome during anaphase?
a. V b. J c. L d. I
- Which of the following form Histone core in chromatin?
a. Acidic amino acids b. Basic amino acids c. Neutral amino acids d. Lipid
- Which of the following gets hampered when portions of heterochromatin gets deleted or defunct?
a. Phenotypic expression of gene b. Gene Regulation
c. Protection of chromosome integrity d. Both b&c
- Repetitive DNA sequences are mainly an indication of
a. Euchromatin b. Heterochromatin c. Both a&b d. None of these

-Debjani Chakraborty