



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 SOLUTION 18

Choose the correct option:

(1X15=15)

1. Which of the following phase of Mitosis is the best for study of chromosome morphology?

b. Metaphase

2. How many DNA molecules are present in each chromatid?

a. One

3. What is the other name of Centromere of a chromosome?

a. Primary constriction

4. The Central plate present in the centromere is known as

c. Kinetochore

5. The term chromosome was given by

b. Waldeyer

6. How does a Kinetochore look like?

a. Trilamellar protein

7. Which of the following subunit of Histone protein binds to the Linker DNA in Nucleosome model?

c.H1

8. How many copies of histone sub units make up one histone core protein?

b.Two

9. Most of the structural genes are present in

a. Euchromatin

10. Which part of chromatin doesn't undergo Transcription?

b. Heterochromatin

11. Which of the type of protein remain associated with Chromosomes?

c. Both a&b

12. Which of the following shapes is taken up by the Sub-metacentric chromosome during anaphase?

c. L

13. Which of the following form Histone core in chromatin?

b. Basic amino acids

14. Which of the following gets hampered when portions of heterochromatin gets deleted or defunct?

d. Both b&c

15. Repetitive DNA sequences are mainly an indication of

b. Heterochromatin

-Debjani Chakraborty