



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 14.05.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: MEIOSIS PART 2

WORKSHEET SOLUTION 27

Choose the correct option:

(1X15=15)

1. Which of the following is the first cell of the new generation of an organism?
c. Zygote
2. Formation of zygote takes place by the fusion of
c. Both a&b
3. Which of the following type of division is homotypic in nature?
c. Meiosis II
4. Variation are important for
d. All of these
5. Which of the following phase immediately succeeds Interkinesis in meiosis?
c. Prophase II
6. Mixing up of traits during meiosis results in
b. Recombination
7. Haploid cells are formed as a result of meiosis because
c. both a&b
8. Meiosis causes
d. All of these
9. The X shaped structure formed by the homologous chromosome during meiosis is called
c. Chiasmata
10. Alternation of sporophytic & gametophytic generation in organisms is possible because of
b. Meiosis
11. In which of the following division genetically different daughter cells are formed from parent cell?
b. Meiosis
12. For how many times does DNA replicate during Mitosis?
d. None of these
13. How many times does chromosome duplicate during Meiotic cell division?
a. Once
14. Which of the following type of division maintains constant chromosome number of a species?
b. Meiosis
15. During the process of synapsis, there is no splitting at the
b. Centromere

-Debjani Chakraborty