



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 14.05.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: MEIOSIS PART2

### WORKSHEET 27

Choose the correct option:

(1X15=15)

- Which of the following is the first cell of the new generation of an organism?  
a. Oocyte                      b. Sperm                      c. Zygote                      d. Both a& c
- Formation of zygote takes place by the fusion of  
a. Sperm                      b. Ovum                      c. Both a&b                      d. None of these
- Which of the following type of division is homotypic in nature?  
a. Meiosis                      b. Meiosis I                      c. Meiosis II                      d. Both a&c
- Variation are important for  
a. Evolution                      b. improvement of race                      c. Better adaptation                      d. All of these
- Which of the following phase immediately succeeds Interkinesis in meiosis?  
a. Prophase I                      b. Cytokinesis I                      c. Prophase II                      d. Metaphase II
- Mixing up of traits during meiosis results in  
a. Crossing Over                      b. Recombination                      c. Both a&b                      d. None of these
- Haploid cells are formed as a result of meiosis because  
a. S phase doesn't occur between Meiosis I&II                      b. Interphase is skipped  
c. both a&b                      d. None of these
- Meiosis causes  
a. Alternation of generation                      b. Genetic variation  
c. Formation of sex cells                      d. All of these
- The X shaped structure formed by the homologous chromosome during meiosis is called  
a. Crossing over                      b. Recombination                      c. Chiasmata                      d. Both a&c
- Alternation of sporophytic & gametophytic generation in organisms is possible because of  
a. Mitosis                      b. Meiosis                      c. Amitosis                      d. Both a&b
- In which of the following division genetically different daughter cells are formed from parent cell?  
a. Mitosis                      b. Meiosis                      c. Amitosis                      d. Both a&b
- For how many times does DNA replicate during Mitosis?  
a. Once                      b. Twice                      c. thrice                      d. None of these
- How many times does chromosome duplicate during Meiotic cell division?  
a. Once                      b. Twice                      c. thrice                      d. None of these
- Which of the following type of division maintains constant chromosome number of a species?  
a. Mitosis                      b. Meiosis                      c. Amitosis                      d. Both a&b
- During the process of synapsis, there is no splitting at the  
a. Telomere                      b. Centromere                      c. Both a&b                      d. None of these

-Debjani Chakraborty