



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 13.05.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: MEIOSIS

WORKSHEET 26

Choose the correct option:

(1X15=15)

- Which of the following is the longest sub phase of Meiotic Prophase I?
a. Leptotene b. Zygotene c. Pachytene d. Diakinesis
- Which of the following is called heterotypic division?
a. Amitosis b. Meiosis I c. Meiosis II d. Mitosis
- Crossing over doesn't occur between
a. Non-sister chromatids b. Sister Chromatids c. Homologous chromosomes d. None of these
- Each tetrad during crossing over consists of
a. 2 chromatids b. 8 Chromatids c. 4 Chromatids d. 6 chromatids
- The process of formation of tetrads during crossing over is called
a. Syngensis b. Synapsis c. Both a&b d. None of these
- Which of the following complexes help in the formation of tetrad during crossing over?
a. Syngensis b. Synaptogenesis c. Synaptonemal d. Both a& c
- In which of the following stage does the bivalents orient themselves at the equator?
a. Metaphase I b. Anaphase I c. Prophase I d. None of these
- The result of Meiosis I is formation of
a. Haploid cells b. Four cells c. Diploid cells d. Both a&b
- The pollen mother cell of plants are also called
a. Microsporocytes b. Megaspores c. Meiocytes d. Both a&c
- The two identical copies formed by the replication of a single chromosome is called
a. Non-sister chromatids b. Sister Chromatids c. Non-Homologous chromosomes d. None of these
- Meiosis can give rise to
a. Gametes b. Spores c. Pollens d. All of these
- Homologous chromosomes have
a. same length b. same staining pattern c. different centromere position d. Both a&b
- Which of the following is the longest phase of Meiosis I?
a. Metaphase I b. Anaphase I c. Prophase I d. None of these
- Meiosis I & II are separated by
a. Interphase I b. Interkinesis c. Interphase II d. Both a&b
- In crossing over there is
a. Breaking of a portion of chromosome b. Mixing up of traits
c. re-attachment of portions of chromosome d. All of these

-Debjani Chakraborty