



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: LIFE SCIENCE

Class: VIII Date: 15.06.2020

## Pamphlet (Difference between mitosis and meiosis) FM: 15

### WORKSHEET – 37

(1x15=15)

- i) Mitosis occurs in-
- (1) Somatic cells      (2) Gametes      (3) Reproductive cells      (4) None of these
- ii) The number of times nucleus divides in meiosis
- (1) Once      (2) Twice      (3) Thrice      (4) Four times
- iii) The type of division that occurs in germ cells is-
- (1) Mitosis      (2) Meiosis      (3) Mitosis and meiosis      (4) Amitosis
- iv) The number of daughter cells formed in meiosis is
- (1) 1      (2) 2      (3) 3      (4) 4
- v) When the number of chromosomes reduces to half than the parent cell, it is referred to as
- (1) Diploid      (2) Haploid      (3) Triploid      (4) Tetraploid
- vi) The daughter cells become haploid in-
- (1) Amitosis      (2) Mitosis      (3) Meiosis      (4) All of these
- vii) In meiosis I, there are 5 sub-phases present in
- (1) Prophase      (2) Metaphase      (3) Anaphase      (4) Telophase
- viii) The chromosome doubles at the beginning of each cell division in
- (1) Mitosis      (2) Amitosis      (3) Meiosis      (4) All of these
- ix) The phenomenon by which genetic material is exchanged between homologous chromosomes is-
- (1) Crossing over      (2) Chiasmata      (3) Synapsis      (4) All of these
- x) Crossing over occurs in-
- (1) Mitosis      (2) Amitosis      (3) Meiosis      (4) None of these
- xi) In meiosis, the chromosome number is doubled after
- (1) Meiosis I      (2) Meiosis II      (3) Both (1) and (2)      (4) None of these
- xii) Mitosis is called \_\_\_\_\_ cell division
- (1) Equational      (2) Reductional      (3) Homologous      (4) Analogous
- xiii) Meiosis is called \_\_\_\_\_ cell division
- (1) Equational      (2) Transitional      (3) Reductional      (4) Homologous
- xiv) The number of daughter cells formed after mitosis is
- (1) 1      (2) 2      (3) 3      (4) 4
- xv) Which of the following divisions occurs in the cells of the kidney?
- (1) Amitosis      (2) Mitosis      (3) Meiosis      (4) All of these

\*\*\*\*\*