



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences Class: XI Date: 07.11.2020

Cell Division: Mitosis

F.M:15

WORKSHEET – 48

(1x15=15)

- i) At prophase ,the viscosity of the cytoplasm
(1) increases (2)decreases (3) remains same (4) None of these
- ii) Spindle apparatus gets fully organized at
(1) Prophase (2) Prometaphase (3) Metaphase (4) Anaphase
- iii) The spindle of animal cells is
(1) Astral (2) Anastral (3) Amphiastral (4) All of these
- iv) Acentric spindle is found in
(1) Plants (2) Animals (3) Both (1) and (2) (4) None of these
- v) When spindle is formed within the nucleus , it is called
(1) Promitosis (2) Premitosis (3)Amitosis (4) Apoptosis
- vi) At the metaphase , the chromosome fibres -
(1) Retract (2)Tighten (3)Loosen (4) Degenerates
- vii) The tightening of the chromosomal fibres lead to
(1) Aggression (2) Accretion (3) Congression (4)None of these
- viii)The shortest phase of mitosis is
(1) Prophase (2) Metaphase (3)Anaphase (4) Telophase
- ix) Which of the following does not take place at the telophase?
(1) Decondensation (2)Despiralization (3)Dehydration (4)Hydration
- x) Chromosome duplication occurs in
(1) Interphase (2)Early prophase (3) Late prophase (4) Late telophase
- xi) Nuclear spindle has _____ types of fibres -
(1) One (2)Two (3) Three (4) Four
- xii) Intranuclear mitosis is found in
(1) Protists (2) Fungi (3)Algae (4) All of these
- xiii)During the cell division , spindle fibres attach t
(1) Chromatid (2)Chromosome (3)Kinetochore (4)All of these
- xiv)Which of the following phases is the longest?
(1) Prophase (2) Metaphase (3) Anaphase (4) Telophase
- xv) Which of the following are mitotic poisons?
(1) Colchicine (2) Chalones (3) Cyanides (4) All of these

Manjaree Guha