



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(Answers)

(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)**Kinetochores** (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**

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