



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 02.05.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: MITOSIS (PART1)

WORKSHEET 23

Choose the correct option:

(1X15=15)

- The process through which cells detach from main tumour & spread to other areas is called
a. Mutagenesis b. Metastasis c. Both a&b d. None of these
- The type of tumour which develop due to uncontrolled cell proliferation & spread to other parts is
a. Malignant b. Cancerous c. Benign d. Both a&b
- Which of the following is linked to cancer
a. Faulty DNA repair b. Faulty checkpoints c. Both a&b d. None of these
- Which of the following are examples of mitocytes?
a. Sclerenchyma b. Stem cells c. germinal epithelium d. Both b &c
- Mitosis was first observed in animal cell by
a. Strassburger b. Fleming c. Waldeyer d. Purkinje
- The mitotic nuclear division is known as
a. Cytokinesis b. Karyokinesis c. Both a&b d. None of these
- If a cell undergoes mitotic division, it will be able to produce
a. Eight cells b. Two cells c. Three cells d. Four cells
- In which of the following type of division are the daughter cells genetically identical to parents?
a. Mitosis b. Meiosis c. Both a&b d. None of these
- In which of the following stage of mitosis does nucleolus disappear?
a. Prophase b. Prometaphase c. Interphase d. Both a&b
- In which of the following stage of mitosis does the chromosomes start aligning themselves along the equatorial plane?
a. a. Prophase b. Prometaphase c. Interphase d. Both a&b
- The mitotic spindle in animal cells is
a. Amphiastral b. Anastral c. Both a&b d. None of these
- Two asters in opposite poles of the mitotic spindle is found in
a. Plant cells b. Animal cells c. Brown algae d. Both b&c
- The process of Karyokinesis includes
a. Prophase b. Prometaphase c. C-phase d. Both a&b
- During the prophase of mitosis, each chromosome appears as
a. One chromatid b. Two sister chromatids c. Four sister chromatids d. None of these
- Prometaphase is characterised by
a. Maturation of Kinetochore b. Nuclear membrane breaks into vesicles
c. Both a&b d. None of these

-Debjani Chakraborty