



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 29.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: CELL ORGANELLES INVOLVED IN CELL DIVISION

WORKSHEET 20

Choose the correct option:

(1X15=15)

- Which of the following is mainly required by the cell for cell division?
a. AMP b. GDP c. ATP d. NTP
- Mitochondria are very important for the cell as they are the
a. fuel of the cell b. "Driver" in cell division c. Both a & b d. None of these
- The main location of enzyme ATP Synthase in the mitochondria is
a. Matrix b. Inner membrane c. Outer membrane d. Both b&c
- The enzyme ATP Synthase in mitochondria converts
a. $ATP \longrightarrow ADP$ b. $ADP \longrightarrow ATP$ c. $ADP \longrightarrow AMP$ d. $ATP \longrightarrow NTP$
- Which of the following is formed when several ribosomes gets lined up with mRNA?
a. Polysoma b. Polysome c. Polyribosomes d. Both b & c
- The ribosome are involved in the synthesis of proteins known as
a. Transversion b. Translation c. Replication d. Transcription
- The microtubules of spindle for cell division is made of
a. Flagellin b. Tubulin c. Cytokinin d. Relaxin
- How many centrioles are present in each centrosome?
a. One b. Two pairs c. Two d. Three
- During which phase of cell cycle are the centrosomes duplicated?
a. G_1 b. G_2 c. S d. M
- In which of the following direction does spindle microtubules form?
a. Poles to equator b. Equator to poles c. Between pole & equator d. None of these
- Which of the following types of microtubule get attached to the centromere of chromosome?
a. Polar microtubules b. Astral microtubules c. Kinetochore microtubules d. Both b&c
- Which of the following is the non-membrane bound structure which disappears at the beginning of cell division?
a. Nuclear pore complex b. Nucleoplasm c. Nucleolus d. Chromosome
- MTOC is related to
a. Centrosome b. Spindle fibre c. ribosome d. Both a& b
- Which of the following prevents microtubule shortening during cell division?
a. Cytochalasin b. Taxol c. Both a&b d. None of these
- Which of the following reappears at the end of cell division?
a. Nuclear membrane b. Nucleolus c. Both a&b d. None of these

-Debjani Chakraborty