



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 SOLUTION 20

Choose the correct option:

(1X15=15)

1. Which of the following is mainly required by the cell for cell division?
c. ATP
2. Mitochondria are very important for the cell as they are the
c. Both a & b
3. The main location of enzyme ATP Synthase in the mitochondria is
b. Inner membrane
4. The enzyme ATP Synthase in mitochondria converts
b. ADP \longrightarrow ATP
5. Which of the following is formed when several ribosomes gets lined up with mRNA?
d. Both b & c
6. The ribosome are involved in the synthesis of proteins known as
b. Translation
7. The microtubules of spindle for cell division is made of
b. Tubulin
8. How many centrioles are present in each centrosome?
c. Two
9. During which phase of cell cycle are the centrosomes duplicated?
c. S
10. In which of the following direction does spindle microtubules form?
a. Poles to equator
11. Which of the following types of microtubule get attached to the centromere of chromosome?
c. Kinetochore microtubules
12. Which of the following is the non-membrane bound structure which disappears at the beginning of cell division?
c. Nucleolus
13. MTOC is related to
d. Both a& b
14. Which of the following prevents microtubule shortening during cell division?
b. Taxol
15. Which of the following reappears at the end of cell division?
c. Both a&b

-Debjani Chakraborty