



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 30.11.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: REVISION

WORKSHEET 49

**Choose the correct option:**

**(1X15=15)**

1. Gibberellins control
  - a. Seed germination
  - b. Dormancy period
  - c. Both a&b
  - d. None of these
2. Which of the following doesn't have role in determining the polarity of DNA molecule
  - a. Phosphate
  - b. Nitrogenous base
  - c. Sugar
  - d. Both b &c
3. The spindle assembly checkpoint checks for
  - a. Cell size
  - b. DNA damage
  - c. chromosome attachment to spindle
  - d. None of these
4. Cell cycle includes
  - a. Dividing phase
  - b. Interphase
  - c. Both a&b
  - d. None of these
5. In a cell cycle a cell remains spends maximum time in
  - a. G<sub>1</sub>
  - b. G<sub>2</sub>
  - c. S
  - d. G<sub>0</sub>
6. At which stage does chromosomes undergo maximum condensation & coiling?
  - a. G<sub>2</sub>
  - b. S
  - c. Metaphase
  - d. M
7. The mitotic division in plant cell was first observed by
  - a. Fleming
  - b. Waldeyer
  - c. Strassburger
  - d. None of these
8. Which of the following shapes is taken up by the Metacentric chromosome during anaphase?
  - a. V
  - b. J
  - c. L
  - d. I
9. Which of the following is linked with cancer?
  - a. DNA Repair
  - b. Cyclin
  - c. CDKs
  - d. All of these
10. Which of the following part of Chromosome is not involved in protecting ends of Chromosome?
  - a. Telomere
  - b. Satellite
  - c. Centromere
  - d. Both b&c
11. Which of the following is a mitocyte?
  - a. Germinal epithelium
  - b. Stem cells
  - c. Embryonic cells
  - d. All of these
12. The mitotic spindle in animal cells is
  - a. Amphiastral
  - b. Anastral
  - c. Both a&b
  - d. None of these
13. Which of the following is not the essential whorl of a flower?
  - a. calyx
  - b. Corolla
  - c. Androecium
  - d. Both a&b
14. Presence of what makes pollen grains specific for the stigma of the same flower?
  - a. Protein
  - b. Carbohydrate
  - c. Fat
  - d. Lipid
15. Maturation of anther & stigma at a different time is an adaptation for
  - a. Self-pollination
  - b. Cross-pollination
  - c. Both a&b
  - d. None of these

-Debjani Chakraborty