



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 8.06.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: ALTERNATION OF GENERATION

### WORKSHEET SOLUTION 31

Choose the correct option:

(1X15=15)

- The prothallus of Pteridophyte is  
**d. Both a&c**
- The spore of Pteridophytes germinate to form  
**a. Primary protonema**
- The life cycle pattern of Pteridophytes is  
**c. Haplodiplontic**
- The club shaped sex organ produced in Pteridophytes is  
**a. Antheridium**
- The type of sporangium of Pteridophytes is  
**c. Both a & b**
- Which of the following is the diploid phase in the life cycle of Pteridophytes?  
**b. Sporophytic**
- The type of movement shown by Antherozoids when moving towards Archegonium is  
**c. Chemotactic**
- Formation of which of the following marks the beginning of sporophytic generation?  
**b. Zygote**
- Which of the phases are multicellular in the life cycle of fern?  
**c. Both a & b**
- How many eggs are produced by the Archegonium in fern?  
**a. One**
- How many chromosomes are present in a Spore of fern?  
**a. n**
- Which type of cell division does the cells of sporangium of fern undergo?  
**a. Meiosis**
- Which of the following structure houses the egg cell in Archegonium of Pteridophytes?  
**b. Venter**
- Which of the following contains the neck canal cells in fern?  
**a. Flask shaped sex organ**
- Which of the following is the independent phase in Pteridophyte life cycle?  
**c. Both a & b**

-Debjani Chakraborty