

TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD

ACADEMIC YEAR 2020-2021

70% CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 1<sup>st</sup> YEAR BOTANY PRACTICAL SYLLABUS

1. Study of the parts of a compound microscope.
2. Identification and study of the morphology of representative types of bacteria, fungi and different plant groups.
3. Study and identification of different types of Inflorescences (**Special types only**)
4. Study of the reproductive parts of commonly available flowers
5. Calculation of the percentage of pollen germination
6. Study of the pollen tube growth on stigma.
7. Study and identification of various stages of female gametophyte development in the ovary of a flower.
8. Study and description of Family: Solanceae
9. Study and description of Family: Liliaceae
10. Preparation of Herbarium sheets of flowering plants
11. Study of anatomy of dicot root
12. Study of anatomy of monocot root
13. Study of anatomy of dicot stem
14. Study of anatomy of monocot stem
15. Preparation and study of mitosis in onion root tips (To be demonstrated by teacher)
16. Study of stages of meiosis using permanent slides.