

EXAMINATION PAPERS.

SESSION 1880-1881.

PRIMARY EXAMINATION.

BOTANY.

SATURDAY, MARCH 19TH, 1881.

Examiner,.....PROFESSOR J. B. MCCONNELL, M.D., C.M

1. Describe the structure of a vitally active vegetable cell.
2. Give a description of the different kinds of *prosenchyma*.
3. Distinguish between indefinite, definite and simultaneous vascular bundles and name the different kinds of cells and vessels found in a bundle of the first, named variety.
4. State the chief causes which interfere with the regular ramification of the stem.
5. Describe the different aerial modifications of the stem.
6. Describe the chief varieties of phyllotaxy as occurring in plants with alternate leaves.
7. Describe the different kinds of veneration.
8. Give a definition of the following: coma, thyrus, thorn, verticillaster, stipe and spathe.
9. What are the essential functions of the leaves?
10. Describe the process of fertilization in leverwarts and ferns.