

# EXAMINATION PAPERS.

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LADIES' EDUCATIONAL ASSOCIATION, MONTREAL.

CHRISTMAS EXAMINATIONS, SESSION 1883-84.

BOTANY.

THURSDAY, DEC. 13TH, 1883.—2 P.M.

*Examiner* ..... D. P. PENHALLOW, B. Sc.

1. Describe the vegetable cell; its form, structure, contents and relation to the plant as a whole.
2. Explain the structure and functions of the stem, and give some of the principal distinctions according to mode of growth.
3. Describe the general character of the root, its functions and some of its modifications.
4. State what you can concerning the flower and its parts, and the specific functions of these latter.
5. Describe the principal modifications of the cell, and give examples showing how this modification may be recognised in highly developed structure.
6. Describe the leaf and some of its principal forms, and state the essential parts with their functions.
7. Tell what you can concerning the best methods of collecting, preserving and studying plants.
8. State what you can concerning the principles of classification. Give a brief outline of some of the most important systems with the names of their authors.
9. Describe the general character and functions of fruit. Give a simple classification with examples.
10. How may flowerless plants be distinguished from flowering? Describe the general character of flowerless plants, state the position they occupy in the natural system, and give some common examples.