

UNIVERSITY OF BISHOP'S COLLEGE.

Faculty of Medicine.

BOTANY EXAMINATIONS, 1872.

FRIDAY MARCH 15TH, 3 P.M. TO 6 P.M.

Examiner.....PROFESSOR SILAS E. TABB, A.M., M.D.C.M.

1. Describe fully the minute anatomy of an unmodified vegetable cell.
2. Distinguish between Parenchymatous and Prosenchymatous tissue. State the mode of formation of the latter, and give examples of each.
3. Describe the structure of a young root and its mode of growth.
4. Describe the anatomical structure of a leaf, and account for its green colour.
5. Explain the terms Obovate, Crenate, Palmately veined and Emarginate as applied to leaves.
6. Give the distinguishing characters of Endogens and Exogens.
7. Name and describe the different kinds of Phylotaxis, and explain what is meant by the Distichous, Tristichous and Pentastichous arrangements.
8. Name the different kinds of inflorescence, give some of their respective characters, and describe minutely the structure of the Raceme, Corymb and Cyme, with examples.
9. Describe the structure of a symmetrical or pattern flower, and explain what is meant by Coalescence and Adnation.
10. Explain the meaning of the terms Epigynous, Gamopetalous, Monœcious and Triadelphous, and describe the anatomy of a pollen grain.
11. What is an ovule? Describe the various positions it may take in the carpel, and explain what is meant by a campylotropous ovule.
12. Explain the process of Fertilization in Phœnogamous Plants.