



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 2nd Semester Examination, 2021

CC4-BOTANY

ARCHEGONIATE

Full Marks: 40

ASSIGNMENT

*The figures in the margin indicate full marks
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

Answer any four of the following questions each within 300 words 10×4 = 40

1. Give a comparative account on the sporophyte of *Marchantia* and *Funaria* with suitable diagrams. 10
2. With suitable diagrams, illustrate different types of steles found in pteridophytes. 10
3. With a neat diagram, describe the anatomy of stem of *Selaginella*. List out the xerophytic and hydrophytic features of *Equisetum*. 10
4. Describe the internal structure of the sporophyte of *Anthoceros* with labelled diagram. Justify *Anthoceros* as a synthetic group. 10
5. Write short notes on: 10
 - (i) Microsporophyll and Megasporophyll of *Cycas*.
 - (ii) Telome Theory.

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