



‘সমানো মন্ত্র: সমিতি: সমানী’

**UNIVERSITY OF NORTH BENGAL**

B.Sc. Honours 3rd Semester Examination, 2022

**CC5-TEA SCIENCE**

**MORPHOLOGY AND ANATOMY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

1. Answer any **five** from the following: 1×5 = 5
  - (a) What do you mean by malacophily?
  - (b) What is heartwood?
  - (c) Give example of a simple fruit.
  - (d) Give example of a xerophyte.
  - (e) What is the function of root cap?
  - (f) Give example of a plant where the mode of seed dispersal found by the winds.
  - (g) Give example of a complex tissue.
  - (h) What do you mean by anomocytic stomata?
  
2. Answer any **three** from the following: 5×3 = 15
  - (a) Briefly explain the anatomical adaptations of hydrophytes.
  - (b) Describe the method of double fertilization in plants.
  - (c) Briefly describe the classification of plant tissue system.
  - (d) Briefly explain the epidermal tissue system and its functions.
  - (e) Write a short note on the structure of a dicot stem.
  
3. Answer any **two** from the following: 10×2 =20
  - (a) Describe the different modification of leaves with diagram.
  - (b) Briefly explain the simple, aggregate and composite fruits with examples.
  - (c) Give a detailed account on the secondary growth in plants.
  - (d) Describe the structure of a dicot root with diagram.

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