



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2023

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 is phyllotaxy?
 - (b) Write the floral formula of china rose.
 - (c) Give example of a plant where spadix inflorescence is found.
 - (d) Give example of a plant where anemophily is visible.
 - (e) Give example of a plant where sunken stomata is available.
 - (f) Give example of a plant where epicuticular waxes are found.
 - (g) Where do we get unicellular trichome?
 - (h) What is aerenchyma?

2. Answer any **three** from the following: 5×3 = 15
 - (a) Write a short note on the structure of a monocot stem.
 - (b) What do you mean by heart wood and sap wood?
 - (c) Explain the anatomical structure of a dicot leaf with diagram.
 - (d) Describe secondary growth in plants.
 - (e) Write a short note on the modification of leaves.

3. Answer any **two** from the following: 10×2 = 20
 - (a) Write a detailed note on the classification of plant tissues.
 - (b) Describe the structure and function of vascular cambium with diagram.
 - (c) Give a detailed account on the structure of a complete flower with diagram.
 - (d) Explain the classification of fruits with examples.

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