

MEMORANDUM SUPPLEMENTARY

2019

QUESTION 1

Order of branching, long and short internodes, position of leaves and inflorescences shown correctly (branch is enclosed) (10)

QUESTION 2

Mutual positions sepals, petals, stamens, staminode and carpels; organ fusions (calyx, corolla tube, stamens and petals, carpels), orientation of flower in relation to shoot axis and subtending leaf shown correctly (10)

QUESTION 3

Study the microslide of *Dais cotinifolia* wood and answer the questions:

3.1 Entellan (3)

3.1. Identify the following wood traits:

3.2.1. Diffuse-porous wood. (3)

3.2.2. Perforation plates simple (3)

3.2.3. Intervessel pits alternate (3)

3.2.4. Rays uniseriate and multiseriate (3)

3.2.5. Rays consist of procumbent, square/upright ray cells (3)

QUESTION 4

Collector's name and numbers, GPS coordinates, habitat and vegetation type, habit, size, phenological phase, important features of the plant (4)

QUESTION 5

Suppose you need to study the fine structure of the seed coat surface of a watermelon seed.

3.1. Scanning electron microscopy (2)

3.2. Drying of sample, its mounting on stab, coating by gold (6)

TOTAL [50]