

Experiment - 03

Aim:- To study plant community frequency by quadrant method.

Requirements:- Quadrant of required size, paper, pencil, thread, nails, cello tape etc.

Formula:-

The percentage frequency of any plant species in a community is calculated by the following formula:-

$$\text{Percentage Frequency} = \frac{\text{No. of quadrants in which species occurs}}{\text{Total no. of quadrants}} \times 100$$

Calculations:-

$$\text{Frequency for species 1} = \frac{3}{5} \times 100 = 60$$

$$\text{Frequency for species 2} = \frac{5}{5} \times 100 = 100$$

$$\text{Frequency for species 3} = \frac{3}{5} \times 100 = 60$$

$$\text{Frequency for species 4} = \frac{3}{5} \times 100 = 60$$

$$\text{Frequency for species 5} = \frac{2}{5} \times 100 = 40$$

$$\text{Frequency for species 6} = \frac{3}{5} \times 100 = 60$$

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