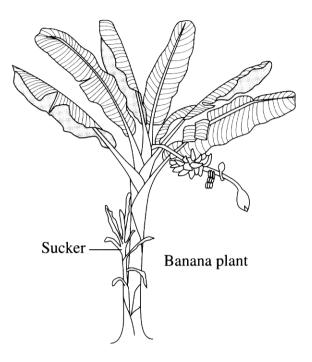
## Marks

## Question 24 (4 marks)

Traditionally, banana plants in Australia have been propagated asexually by cutting 4 out and planting suckers from the adult plant.



There is a growing trend to produce disease-free plants in laboratories through a process of cloning from disease-free tissues from existing plants.

Assess the potential impact of this cloning process on the genetic diversity of banana plants in Australia.

```
Pauting succes from the adult barran plant is a natural type of
Claning, but by using cuttings from different barrane trees with
different traits there is variety and the natural selectron within
the lamana trees. If plants soard to be propagated from laboratories
Jun "different tissies" from exising plants, the genetic lamation
of barrane trees will decrease. Especially if a barrane form uses
the different trees any that Bay claning the barrane form uses
the different will decrease. Especially if a barrane form uses
the different trees any that Bay claning the barrane trees
the genetic trees any that a head different form
warrange with the claned plank, and no others were used, the curve barrane
tree population hard be affected and cause have soins site affects.
Many the claned plank, and no others were used, the curve barrane
tree population hard be affected and cause have soins site affects.
Many the claned plank and have soins site affects.
Many the claned plank have soins site affected were any with the clane plants and have soins site affects and
ward decrease.
```