

KEY CONSTRUCTION

9. Method of construction and use of indented & dichotomous type of key for identification of Magnoliopsida & Liliopsida.

Ans - The key is based on comparative and helpful in determine the identity of plant specimen. Special care is necessary regarding assignment of characters. The key are generally listed in floras & manuals for identification of unknown plant specimen. Key are very convenient, reliable & quick to use. It provides a sequence of choices between one to two statement. Those may be both for veg. & floral parts. Such key those are based on successive choices between only two statement are known as dichotomous type. Each pair of choices is called a couplet. The key is designed so that one part of the couplet will be accepted and other will be rejected. The first contrasting characters in each couplet are referred to as the primary key characters and characters following the lead are secondary key characters. The key may be divided into two types -

- (i) Indented type → The indented key is the one most widely used in manuals for identification of vascular plants. Each of the couplet is indented a fixed distance from the left margin of the page.
- (ii) Bracketed type → A dichotomous key in which contrasting parts of a couplet are numbered & presented together, without intervening couplets. Dichotomous key (Sequential Key, Diagnostic key) is an identification key constructed as a sequence of alternative choices. Each pairs forming a couplet. It is of two types - Indented key (Yoked Key) & Bracketed key (Parallel Key). Punched

... the ... subjects ...
... the ... which ...
... the ...
... the ...
... the ...

- (1) ... the ...
of ...
- (2) ... should be ...
the ... of ...
... that ...
- (3) ... it is always ...
which was ...
... the ...
feature of ...
- (4) ... measurement ...
... from a ...
... should not be ...
to account ...
should be ...
capital ...
- (5) ... the description ...
with the ... of ...
- (6) ... the ...
measurement ...
... of ...
- (7) ... Even if ...
may be ...
- (8) ... Reference ...
observations ...
... level
- (9) ... Use of ...

Systematic position :-

Dionthus fam
[Pinks family

Phylum - Angiospermae
Subphylum - Dicotyledons
Division - Herbaceae

one case male sex flower & another case in female flower is always better in same category variability in the choice of characters is wrong methods.

The identification should not be based on a single character rather it should be based on comprehensive study of object. A careful observation of unknown character & literature inference is necessary.

(xi) A chart of observation for unknown individual should be prepared to starts of procedure.

(xii) Specimen should be complete collection veg. & floral part.

A first step essential is to determined a given specimen belong to another class.

(a) Magnoliopsida (b) Liliopsida;

Then one can reach up group order family genus & sps including varieties. The key represent here is indented & dichotomous type. Each of pairs of leaf.



wide use in manuals for identification of than the other chief am...