

MATERIALS USED IN WOOD WORKING

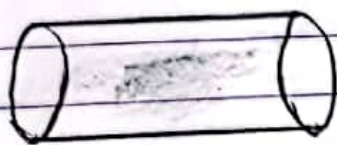
1. Timber (Wood)

» These are wood obtained from exogeneous trees (trees growing in outward direction) & preferably are used for different purposes of support construction & decorative materials.

Types :

(i) Exogeneous → Growing in outward (→)
ex Coniferous & deciduous type like Teak, Mango, Shisham, Pipal, Neem etc.

(ii) Endogeneous → Growing in Inward (←)
ex Pine tree



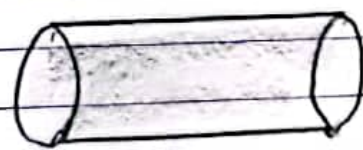
Completely Dry

X



Partially Dry

✓



Completely wet

X

Advantages : There are large no. of Advantages of using timber. Some of the advantages are listed below :-

(i) It is light in weight as compared to metals & metal object.

- ② It can be transformed into any shape of desired choice with ease.
- ③ It is cheap & easily available.
- ④ It can be transported easily from one place to another.
- ⑤ It has hardness & durability & is long lasting.
- ⑥ It easily responds to paint & polishes when required.
- ⑦ It is good for machinability i.e. procurement of nails & use of machines is done in an easy manner.
- ⑧ It can be used for building support, equipments or products.
- ⑨ It is used to make windows, chairs, tables etc (Household products) of wood.
- ⑩ It can be used as medicinal purposes.
- ⑪ It is good in appearance as compared to metals & other products.
- ⑫ It has low maintenance cost.
- ⑬ It can be used for making decorative items for home & commercial purposes.
- ⑭ It can be used as fuel for burning.
- ⑮ It is less toxic & chemical free as compared to metals.
- ⑯ It can be used as supportive structures.
- ⑰ It can be used for transforming sheets of metals such as gold & silver.

Structure of Timber

